



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

ENTERED

September 24, 2008



Mr. Steve Zappe, Project Leader
 Hazardous Waste Bureau
 New Mexico Environment Department
 2905 Rodeo Park Drive East, Building 1
 Santa Fe, New Mexico 87505-6303

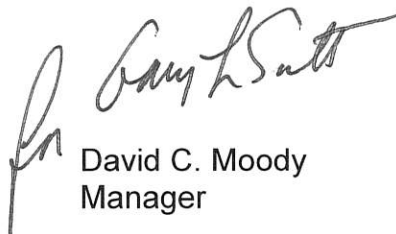
Subject: Transmittal of Audit Plan and Notification of Assigned Auditors for Savannah River Site Audit A-09-01

Dear Mr. Zappe:

Enclosed is the audit plan for the Department of Energy (DOE) Carlsbad Field Office (CBFO) audit to be conducted at the Savannah River Site and the DOE/CBFO Skeen-Whitlock Building October 28 – 30, 2008, as required by the WIPP Hazardous Waste Facility Permit, Section B4-3f. The audit plan also identifies the audit team members, as required by Section B6-3 of the Permit.

Please contact the CBFO Quality Assurance Manager, Ava L. Holland, at (575) 234-7423 should you have any questions concerning this notification.

Sincerely,


 David C. Moody
 Manager

Enclosure

- cc: w/out enclosure
- A. Holland, CBFO * ED
- D. Miehl, CBFO ED
- M. Navarrete, CBFO ED
- D. Gadbury, CBFO ED
- C. Fesmire, CBFO ED
- N. Castaneda, CBFO ED
- J. Bearzi, NMED ED
- S. Holmes, NMED ED
- C. Riggs, CTAC ED
- WIPP Operating Record, MS: 452-09
- CBFO QA File
- CBFO M&RC
- *ED denotes electronic distribution



CARLSBAD FIELD OFFICE AUDIT PLAN

Audit Number: A-09-01

Organization to Be Audited: Savannah River Site (SRS) Central Characterization Project (CCP)

Organizations to be Notified: Savannah River Site
Washington TRU Solutions LLC (WTS)
Environmental Protection Agency (EPA)
New Mexico Environment Department (NMED)
Defense Nuclear Facilities Safety Board (DNFSB)

Date and Locations: October 28 – 30, 2008
Aiken, South Carolina
Carlsbad, New Mexico

Audit Team:

Charlie Riggs	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Wayne Ledford	Management Representative, CTAC
Prissy Martinez	Auditor, CTAC
Tommy Putnam	Auditor, CTAC
Norman Frank	Auditor, CTAC
Tammy Bowden	Auditor, CTAC
Berry Pace	Auditor, CTAC
Mark von Weber	Auditor, CTAC
Paul Gomez	Technical Specialist, CTAC
Kirk Kirkes	Technical Specialist, CTAC
Karen Gaydosh	Technical Specialist, CTAC
B.J. Verret	Technical Specialist, CTAC
Dick Blauvelt	Technical Specialist, CTAC
Jim Oliver	Technical Specialist, CTAC
Joe Willis	Technical Specialist, WTS

Audit Scope:

The audit team will evaluate the continued adequacy, implementation, and effectiveness of SRS transuranic (TRU) waste activities as they relate to the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit (HWFP) for Summary Category Group (SCG) S4000 soils/gravel and S5000 debris waste, including remote-handled (RH) S5000 waste (SR-RL-BCLDP.001). Additional technical and quality assurance elements will also be evaluated, including SCG S3000 solids (**new**), Headspace Gas Sampling using SUMMA[®] canisters (**new**), and the Nondestructive Assay Box Counter (NABC) (**new**). The specific items to be audited are listed below under Activities to be Audited.

Activities to be Audited:

The following general areas from section B6-3 of the HWFP will be evaluated:

- Results of previous audits
- Changes in programs or operations
- New programs or activities being implemented
- Changes in key personnel

The following quality assurance elements will be evaluated:

- Personnel Qualification and Training
- Quality Improvement
- Documents and Records

The following technical elements will be evaluated:

Carlsbad

- Project Level Validation and Verification (V&V)
- Acceptable Knowledge (AK)
- Waste Certification (e.g., Waste Stream Profile Forms (WSPFs))
- WIPP Waste Information System (WWIS)

Savannah River Site

- Data Generation V&V
- Real-time Radiography (RTR)
- Visual Examination (VE)
- Headspace Gas Sampling (HSG)
- Performance Demonstration Program (PDP)
- Nondestructive Assay (NDA)
- Dose-to-Curie (DTC)
- Flammable Gas Analysis
- Transportation

For additional details see the attached Process and Equipment to be Reviewed During Audit A-09-01 of SRS/CCP.

Governing Documents/Requirements:

The overall program adequacy of SRS/CCP documents will be based on the following documents:

Quality Assurance Program Document (QAPD), DOE/CBFO-94-1012

Hazardous Waste Facility Permit, Waste Isolation Pilot Plant EPA No. NM4890139088-TSDF by the New Mexico Environment Department

Remote-Handled Transuranic Waste Characterization Program Implementation Plan (WCPIP), DOE/WIPP-02-3214

Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant (WAC), DOE/WIPP-02-3122

TRUPACT-II Safety Analysis Report: *TRUPACT-II Authorized Methods for Payload Control (TRAMPAC)*, and the TRUPACT-II Certification of Compliance, NRC 71-9281

Programmatic and technical checklists will be developed from the active revisions of the following documents:

CCP Transuranic Waste Quality Assurance Characterization Project Plan (QAPjP), CCP-PO-001

CCP Transuranic Waste Certification Plan, CCP-PO-002

CCP-TRUPACT-II Authorized Methods for Payload Control (TRAMPAC), CCP-PO-003

CCP/SRS Interface Document, CCP-PO-004

Related WTS CCP quality assurance and technical implementing procedures

Related WTS quality assurance implementing procedures

Schedule of Audit Activities:

A pre-audit conference will be held Tuesday, October 28, 2008, at 9:00 a.m.

Audit team caucus meetings will be held Tuesday, October 28, and Wednesday, October 29, 2008, at 5:00 p.m.

An audit team caucus meeting will be held Thursday, October 30, 2008, at 2:00 p.m.

Daily management briefings will be held with the appropriate management Wednesday, October 29, and Thursday, October 30, 2008, at 9:00 a.m.

A post-audit conference is scheduled for Thursday, October 30, 2008 at 4:00 p.m.

All meetings will take place at the designated SRS and CBFO locations. All times are Eastern Daylight Time (EDT).

Prepared by: *C.L. Riggs for*
Charles L. Riggs, CTAC
Audit Team Leader

Date: *9/24/08*

Concurrence: *A.L. Holland for*
Ava L. Holland, CBFO
Quality Assurance Manager

Date: *9-24-08*

Process and Equipment to be Reviewed During Audit A-09-01 of the SRS/CCP

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
NEW PROCESSES OR EQUIPMENT				
TBD	Nondestructive Assay Procedures – CCP-TP-189 and CCP-TP-191 Description – Box Segmented Gamma System (BSGS) and Box Neutron Assay System (BNAS)	Debris (S5000)	N/A	NO
TBD	Headspace Gas Sampling Procedure – CCP-TP-093 Description – CCP Sampling of TRU Waste Containers using SUMMA® Canisters		NO	N/A
PREVIOUSLY APPROVED PROCESSES OR EQUIPMENT				
The following will be evaluated for recertification during CBFO Audit A-09-01				
1IQ1	Nondestructive Assay Procedure – CCP-TP-047 Description – Canberra Mobile Qualitative and Quantitative Drum Counter with Isotopics (IQ3)	Soils/Gravel (S4000) Debris (S5000)	N/A	YES
1SG1	Nondestructive Assay Procedure – CCP-TP-051 Description – Mobile Characterization (MCS) Segmented Gamma Scanner (MCS)	Soils/Gravel (S4000) Debris (S5000)	N/A	YES
1RR3	Real-time Radiography Procedure – CCP-TP-053 Description – Pad 15 RTR unit for drums (Now at PAD 4)	Debris (S5000)	YES	YES
TBD	Dose-to-Curie Procedure – CCP-TP-504	Debris (S5000)	N/A	YES
1HG2	Flammable Gas Analysis Procedure – DOE/WIPP-06-3345 Description – Transportation Requirement	All	N/A	N/A
VISUAL	Visual Examination Procedure – CCP-TP-113 Description – VE QC Check for RTR, VE in lieu of RTR, VE Technique for Retrievably Stored Waste	Soils/Gravel (S4000) Debris (S5000)	YES	YES

Process and Equipment to be Reviewed During Audit A-09-01 of the SRS/CCP

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
N/A	Acceptable Knowledge (AK)	Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	Data Generation and Project Level Validation & Verification (V&V)	Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	WIPP Waste Information System (WWIS)	Soils/Gravel (S4000) Debris (S5000)	YES	YES
LIST OF DEACTIVATED EQUIPMENT				
1RR1	Real-time Radiography Procedure – CCP-TP-011 Description – RTR-1 unit for drums Deactivated April 2007	NONE	NO	NO
1RR2	Real-time Radiography Mobile Characterization System's RTR-4 [built by VJ Technologies] – 55-gallon drums Deactivated September 2005	NONE	NO	NO
1IP1	Mobile Characterization Systems (MCS) Imaging Passive-Active Neutron/Gamma Energy Analysis (IPAN/GEA) [Built by BNFL] – 55-gallon drums Deactivated May 2006	NONE	N/A	NO
1HG1	Headspace Gas System Procedure – CCP-TP-007 Description – NUCFIL HSG DBS2 with GC/MS Unit A (Sat200014711284) and Unit B (Sat200043675697) Deactivated March 2008	Soils/Gravel (S4000) Debris (S5000)	YES	N/A