



Department of Energy
 Carlsbad Field Office
 P. O. Box 3090
 Carlsbad, New Mexico 88221
 SEP 2 8 2011

ENTERED



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

Subject: Audit Plan for Audit A-12-02, Contact-Handled Transuranic Waste Recertification of the Savannah River Site Central Characterization Project Transuranic Waste Program

Dear Mr. Kieling:

This letter transmits the audit plan for the subject Carlsbad Field Office contact-handled waste recertification audit to be conducted at the designated locations at the Savannah River Site on November 14-17, 2011, as required by the Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Section C4-3g. The audit plan identifies the audit team members as required by Section C6-3 of the Permit.

If you have any questions concerning this notification, please contact Mr. Randy Unger, Director of Quality Assurance, at (575) 234-7065.

Sincerely,

Edward Ziemianski
 Interim Manager

Enclosure

cc: w/enclosure

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*ED denotes electronic distribution

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CARLSBAD FIELD OFFICE CERTIFICATION AUDIT PLAN

Audit Number: A-12-02

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

Organizations to be Notified: SRS
Washington TRU Solutions, LLC
Environmental Protection Agency
Defense Nuclear Facilities Safety Board
New Mexico Environment Department

Date and Location: November 14 – 17, 2011
SRS

Audit Team:

Courtland G. Fesmire	CBFO Quality Assurance Representative
Priscilla Y. Martinez	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Charlie Riggs	Audit Team Leader, CTAC
Earl Bradford	Auditor, CTAC
Rick Castillo	Auditor, CTAC
Greg Knox	Auditor, CTAC
Katie Martin	Auditor, CTAC
Margie Martinez	Auditor, CTAC
Jack Walsh	Auditor, CTAC
Dick Blauvelt	Technical Specialist, CTAC
Rhett Bradford	Technical Specialist, CTAC
Paul Gomez	Technical Specialist, CTAC
Mavis Lin	Technical Specialist, CTAC
Jim Oliver	Technical Specialist, CTAC

Audit Scope:

The audit team will evaluate the adequacy, implementation, and effectiveness of the SRS/CCP technical and quality assurance (QA) activities performed for the recertification of Summary Category Group (SCG) S3000 contact-handled (CH) solids waste, S4000 soils/gravel waste, and S5000 debris waste. The specific processes to be audited are identified under Activities to be Audited, and on the attachment Processes and Equipment to be Reviewed During Audit A-12-02.

Activities to be Audited:

The following areas from Attachment C6, Section C6-3 of the Hazardous Waste Facility Permit will be audited:

QA elements:

Personnel Qualification and Training
Documents and Records
Nonconformances

Technical elements:

Acceptable Knowledge, including waste certification (i.e., Waste Stream Profile Forms)
Project-level Data Validation and Verification
Headspace Gas Sampling (Summa[®])
Nondestructive Assay
Real-time Radiography
Visual Examination
WIPP Waste Information System/Waste Data System

Governing Documents/Requirements:

Evaluation of adequacy of SRS/CCP documents will be based on the current revisions of the following documents:

- *Quality Assurance Program Document, DOE/CBFO-94-1012*
- *Waste Isolation Pilot Plant Hazardous Waste Facility Permit NM4890139088-TSDF*
- *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant, DOE/WIPP-02-3122*

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

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

Schedule of Audit Activities:

A pre-audit conference is scheduled for 8:00 a.m., Monday, November 14, 2011.

Audit team caucuses will be held at 4:00 p.m., Monday through Wednesday, November 14 through 16, 2011, and at 2:00 p.m. on Thursday, November 17, 2011.

The audit team leader will meet with SRS/CCP management to discuss audit concerns and audit progress at 8:30 a.m., Tuesday through Thursday, November 15 through 17, 2011.

A post-audit conference is scheduled for 3:00 p.m., Thursday, November 17, 2011.

All meetings will take place at the designated SRS locations. All times are Eastern Standard Time.

Approved By: Priscilla Y. Martinez / Charlie Riggs
Priscilla Y. Martinez/Charlie Riggs
CTAC Audit Team Leaders

Date: 9/19/11

Approved By: Randy Unger
Randy Unger/CBFO
Director, Office of Quality Assurance

Date: 26 Sep 11

SRS/CCP Contact-Handled Processes and Equipment to be Reviewed During Audit A-12-02

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
PREVIOUSLY APPROVED PROCESSES OR EQUIPMENT				
1RR3	Real-time Radiography Procedure – CCP-TP-053 Description – RTR-15 Unit – 55-gallon drums (at PAD 4)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
1RR4	Real-time Radiography Procedure – CCP-TP-053 Description – RTR-4, 55-gallon drums, standard waste boxes (SWBs), and standard large box 2s (SLB2s)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
1LCNDE	Real-time Radiography Procedure – CCP-TP-053 Description – Large Container Non-Destructive Examination (LCNDE) Unit – standard waste boxes (SWBs) and standard large box 2s (SLB2s)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
VISUAL	Visual Examination Procedure – CCP-TP-113 Description – Visual Examination Method identified in CCP-TP-113	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
1NABC1	Nondestructive Assay Procedures – CCP-TP-189 and CCP-TP-191 Description – Box Segmented Gamma System (BSGS) and Box Neutron Assay System (BNAS)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	YES
N/A	Headspace Gas Sampling Procedure – CCP-TP-093 Description – CCP Sampling of TRU Waste Containers using SUMMA® Canisters	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	N/A

SRS/CCP Contact-Handled Processes and Equipment to be Reviewed During Audit A-12-02

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)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	Data Generation and Project Level Validation and Verification (V&V)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	Quality Assurance Program	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	YES
N/A	WIPP Waste Information System (WWIS)/Waste Data System (WDS)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES