



Department of Energy
 Carlsbad Field Office
 P. O. Box 3090
 Carlsbad, New Mexico 88221
SEP 15 2017

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

NMED
 Hazardous Waste Bureau

Subject: Audit Plan and Notification of Assigned Auditors for CBFO Audit A-18-02 of the Savannah River Site Central Characterization Program

Dear Mr. Kieling:

This letter transmits the audit plan for Carlsbad Field Office (CBFO) Recertification Audit A-18-02 of the Savannah River Site Central Characterization Program, to be conducted at the Skeen-Whitlock Building in Carlsbad, New Mexico on October 17 – 19, 2017. The audit will be conducted as required by the Waste Isolation Pilot Plant Hazardous Waste Facility Permit. The audit plan identifies the audit team members, as required by the Permit.

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

Please contact Mr. Dennis S. Miehl, CBFO Senior Quality Assurance Specialist, at (575) 234-7491 should you have any questions concerning this notification.

Sincerely,

Todd Shrader
 Todd Shrader, Manager Deputy Mgr
 Carlsbad Field Office

Enclosure



Mr. John E. Kieling

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SEP 15 2017

cc: w/enclosure

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CARLSBAD FIELD OFFICE AUDIT PLAN

Audit Number: A-18-02

Organization to be Audited Savannah River Site (SRS)
Central Characterization Program (CCP)

Organizations to be Notified: SRS
Nuclear Waste Partnership LLC (NWP)
U.S. Department of Energy – Savannah River
New Mexico Environment Department
U.S. Environmental Protection Agency
Defense Nuclear Facilities Safety Board

Date and Location: October 17 - 19, 2017
Skeen Whitlock Building, Carlsbad, New Mexico

Audit Team:

Dennis Miehl	Quality Assurance Representative, Carlsbad Field Office (CBFO) Office of Quality Assurance
Priscilla Yanez	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Ricardo Chavez	Auditor, CTAC (Acceptable Knowledge, Waste Certification)
Joe Lopez	Auditor, CTAC (WWIS/WDS)
Jim Schuetz	Auditor, CTAC (WWIS/WDS)
Dick Blauvelt (via telecon)	Technical Specialist, CTAC (Acceptable Knowledge, Waste Certification, Load Management)
Randy Fitzgerald (via telecon)	Technical Specialist, CTAC (Acceptable Knowledge, Waste Certification, Load Management)

Audit Scope:

The audit team will evaluate the adequacy, implementation, and effectiveness of the technical and quality assurance (QA) activities performed by NWP/CCP at SRS for characterization processes for contact-handled (CH) Summary Category Groups (SCGs) S3000 solids, S4000 soils/gravel, and S5000 debris waste, and remote-handled (RH) SCG S5000 debris waste. The audit team will also verify that a technical review of the generator site's processes has been performed and that any issues identified during the technical review have been resolved per DOE/WIPP-16-3564, *Generator Site Technical Review Procedure*.

CCP operations at SRS have been discontinued and no transuranic (TRU) waste characterization activities have been performed at SRS since the previous

recertification audit (A-17-02, conducted December 6 - 8, 2016).

A list of the equipment and processes to be evaluated is attached to this plan (Attachment 1).

Governing Documents/Requirements:

Evaluation of the overall program adequacy, implementation, and effectiveness of SRS/CCP documents will be based on the current revisions of the following documents:

- DOE/CBFO-94-1012, *Quality Assurance Program Document*
- Waste Isolation Pilot Plant Hazardous Waste Facility Permit NM4890139088-TSDF
- DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
- DOE/WIPP-07-3372, *Waste Isolation Pilot Plant Documented Safety Analysis (Chapter 18)*
- DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*

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

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

Activities to be Audited:

General

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

C6-1 through C6-4 and general QA program elements as applicable

- Nonconformances
- Personnel Qualification and Training
- Measuring and Test Equipment (M&TE)

- Software Version Installation
- Records

Technical Activities

- Project-level Data Validation and Verification (PL/V&V)
- Enhanced AK, including waste certification
 - Including, but not limited to, Enhanced Chemical Compatibility Evaluation Memorandum, Basis of Knowledge, AK Assessments, AK Briefings, Interface Waste Management Documents List
- Real-time Radiography (RTR)
- Visual Examination (VE)
- Dose-to-Curie (DTC)
- Nondestructive Assay (NDA), including Performance Demonstration Program
- Container Management
- WIPP Waste Information System/Waste Data System (WWIS/WDS)
 - Including, but not limited to, Statistical Approach to Material at Risk

Schedule of Audit Activities:


A pre-audit conference is scheduled for 9:00 a.m. on Tuesday, October 17, 2017, at the Skeen-Whitlock Building, Conference Room T-224.

Audit team caucuses will be held at 3:00 p.m. on Tuesday and Wednesday, October 17 and 18, and at 1:00 p.m. on Thursday, October 19, 2017, at the Skeen-Whitlock Building, CTAC Conference Room.

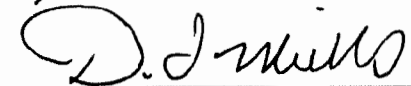
If needed, the audit team leader will conduct a management briefing with appropriate NWP/CCP Management at 8:30 a.m. on Wednesday and Thursday, October 18 and 19, 2017, at the Skeen-Whitlock Building, Conference Room T-224.

A post-audit conference is scheduled for 2:00 p.m. on Thursday, October 19, 2017, at the Skeen-Whitlock Building, Conference Room T-224.

Audit activities will be conducted in Carlsbad, New Mexico.

Approved By: 
Priscilla Yanez, CTAC
Audit Team Leader

Date: 9/15/17

Approved By: 
Michael R. Brown, Director FOR
CBFO Office of Quality Assurance

Date: 9-15-17

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				
	N/A			
PREVIOUSLY APPROVED PROCESSES OR EQUIPMENT				
1NABC1	Nondestructive Assay Procedures – CCP-TP-189 and CCP-TP-191 Description – Box Segmented Gamma System (BSGS) and Box Neutron Assay System (BNAS), Five Foot Setback Configuration	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	YES
1LCNDE	Real-time Radiography Procedure – CCP-TP-053 and CCP-TP-074 Description – Large Container Non-Destructive Examination (LCNDE) Unit – standard waste boxes (SWBs) and SLB2s	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
1RR4	Real-time Radiography Procedure – CCP-TP-053 and CCP-TP-145 Description – RTR-4, 55-gallon drums and standard waste boxes (SWBs), Standard large box 2s (SLB2s)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
VISUAL	Visual Examination Procedure – CCP-TP-113 and CCP-TP-163 Description – VE QC Check for RTR, VE in lieu of RTR, VET for Retrievably Stored Waste	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
1RHVE1	Visual Examination Procedures – CCP-TP-163 and CCP-TP-500 Description – Visual Examination of Records for Remote-Handled for Waste Stream SR-RH-SDD.01 only	Debris (S5000)	YES	YES
1DTC1	Dose-to-Curie Procedure – CCP-TP-504 Description – Radiological Characterization	Debris (S5000)	N/A	YES
16311	Dose-to-Curie (Sealed Sources)	Debris (S5000)	N/A	YES

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
	Procedure – CCP-RC-SRS-631 Description – Radiological Characterization			
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	WIPP Waste Information System/Waste Data System (WWIS/WDS)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	Quality Assurance Program	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	YES