



Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221
OCT 28 2016



ENTERED



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

Subject: Audit Plan and Notification of Assigned Auditors for CBFO Audit A-17-02
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-17-02 of the Savannah River Site Central Characterization Program, to be conducted at the Skeen-Whitlock Building in Carlsbad, New Mexico, December 6 – 8, 2016. 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 the CBFO Senior Quality Assurance Specialist, Mr. Dennis S. Miehl, at (575) 234-7491 should you have any questions concerning this notification.

Sincerely,

Todd Shrader, Manager
Carlsbad Field Office

Enclosure



Mr. John E. Kieling

-2-

OCT 28 2016

cc: w/enclosure

S. Ross, EM-43	*ED
S. Dunagan, CBFO	ED
J. Carswell, CBFO	ED
M. Brown, CBFO	ED
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G. Basabilvazo, CBFO	ED
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M. Navarrete, CBFO	ED
N. Castaneda, CBFO	ED
G. Birge, CBFO	ED
T. Carver, CBFO	ED
R. Maestas, NMED	ED
C. Smith, NMED	ED
D. Biswell, NMED	ED
V. Daub, CTAC	ED
P. Martinez, CTAC	ED
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*ED denotes electronic distribution

**CARLSBAD FIELD OFFICE AUDIT PLAN
SRS-CCP RECERTIFICATION AUDIT**

Audit Number: A-17-02

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

Organizations to Be Notified: SRS
Nuclear Waste Partnership LLC (NWP)
U.S. Environmental Protection Agency
Defense Nuclear Facilities Safety Board
New Mexico Environment Department (NMED)

Date and Locations: December 6-8, 2016
Carlsbad, NM

Audit Team: Dennis Miehls Carlsbad Field Office (CBFO) Quality Assurance Management Representative
Priscilla Yanez Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Kathy Hood (QA) Auditor, CTAC
Ricardo Chavez (AK) Auditor-in-Training, CTAC
Dick Blauvelt (AK) Technical Specialist, CTAC
Randy Fitzgerald (AK) Technical Specialist, CTAC
Jim Oliver (NDA/DTC) Technical Specialist, CTAC
Jim Vernon, (PL/MWIS) Technical Specialist, CTAC

Audit Scope:

The audit team will evaluate the adequacy, implementation, and effectiveness of the SRS-CCP waste characterization processes for remote-handled (RH) Summary Category Group (SCG) S5000 debris waste and contact-handled (CH) SCGs S3000 solids waste, S4000 soils/gravel, and S5000 debris waste. The audit team will also evaluate the SRS-CCP program for meeting both technical and quality assurance (QA) requirements.

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

The audit team will evaluate available documentation in support of TRU waste characterization activities performed at SRS from the date of the previous recertification audit (A-16-02, conducted December 3 - 4, 2015), complete applicable C6 checklists, and review objective evidence.

The audit will be performed in the Skeen-Whitlock Building in Carlsbad, New Mexico. See Attachment 1, List of Processes/Equipment, for a listing of items that will be included in this evaluation.

Activities to Be Audited:

The following areas from Attachment C6, Section C6-3 of the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit will be audited:

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

QA Elements:

Personnel Qualification and Training
Documents and Records
Nonconformances

Technical Elements:

Acceptable Knowledge (AK), including waste certification (i.e., Waste Stream Profile Forms)
Project-level Data Validation and Verification (PL V&V)
Dose-to-Curie (DTC)
Non-destructive Assay (NDA) and participation in Performance Demonstration Program
Real-time Radiography (RTR)
Visual Examination (VE)
WIPP Waste Information System/Waste Data System (WWIS/WDS)

Governing Documents/Requirements:

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

- *CBFO 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*
- *Remote-Handled TRU Waste Characterization Program Implementation Plan, DOE/WIPP-02-3214*

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

- *CCP Transuranic Waste Characterization Quality Assurance Project Plan, CCP-PO-001*

- *CCP Transuranic Waste Certification Plan, CCP-PO-002*
- Related NWP SRS-CCP quality assurance and technical implementing procedures

Schedule of Audit Activities:

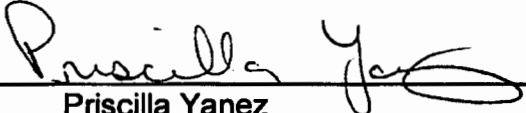
A pre-audit conference is scheduled for 9:00 a.m. on Tuesday, December 6, 2016, at the Skeen-Whitlock Building, Conference Room T-224.

Audit team caucuses will be held at 3:00 p.m. on Tuesday and Wednesday, December 6 and 7, and at 1:00 p.m. on Thursday, December 8, 2016, at the Skeen-Whitlock Building, Conference Room T-224.


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, December 7 and 8, 2016, at the Skeen-Whitlock Building, Conference Room T-224.

A post-audit conference is scheduled for 2:00 p.m. on Thursday, December 8, 2016, 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: 10-25-16

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

Date: 10/27/16

Processes and Equipment To Be Reviewed During Audit A-17-02 of the NWP 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				
	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

Processes and Equipment To Be Reviewed During Audit A-17-02 of the NWP SRS-CCP

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
16311	Dose-to-Curie (Sealed Sources) Procedure – CCP-RC-SRS-631 Description – Radiological Characterization	Debris (S5000)	N/A	YES
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