



United States Government

Department of Energy

# memorandum



Carlsbad Field Office  
Carlsbad, New Mexico 88221

DATE: OCT 28 2016

REPLY TO  
ATTN OF: CBFO:OQA:DSM:BA:16-3477:UFC 2300.00

SUBJECT: Recertification Audit A-17-02 of the SRS-CCP Transuranic Waste Characterization and Certification Program

TO: Mr. Daniel Ferguson, DOE-SR

Please be advised that an audit team from the U.S. Department of Energy (DOE) Carlsbad Field Office (CBFO) will conduct a recertification audit of the Savannah River Site Central Characterization Program (SRS-CCP) at the Skeen-Whitlock Building in Carlsbad, New Mexico, December 6 – 8, 2016. The SRS-CCP characterization activities for remote-handled Summary Category Group (SCG) S5000 debris waste and contact-handled SCGs S3000 solids waste, S4000 soils/gravel, and S5000 debris wastes will be evaluated during the audit. The audit will be conducted in accordance with the attached audit plan.

If you have any questions or comments concerning the audit, please contact me at (575) 234-7491.

Dennis S. Miehl  
Senior Quality Assurance Specialist

### Attachment

cc: w/attachment			
S. Ross, EM-43	*ED	S. Punchios, NWP	ED
M. Brown, CBFO	ED	A. Boyea, NWP	ED
J.R. Stroble, CBFO	ED	T. Peake, EPA	ED
M. Navarrete, CBFO	ED	J. Walsh, EPA	ED
T. Carver, CBFO	ED	E. Feltcorn, EPA	ED
G. Birge, CBFO	ED	R. Joglekar, EPA	ED
N. Castaneda, CBFO	ED	J. Kieling, NMED	ED
J. Craig, DOE-SR	ED	R. Maestas, NMED	ED
P. Breidenbach, NWP	ED	C. Smith, NMED	ED
J. Blankenhorn, NWP	ED	D. Biswell, NMED	ED
J. Britain, NWP	ED	V. Daub, CTAC	ED
F. Sharif, NWP	ED	P. Martinez, CTAC	ED
D.E. Gulbransen, NWP	ED	C. Castillo, CTAC	ED
R. Reeves, NWP	ED	M. Leroch, CTAC	ED
A. J. Fisher, NWP	ED	P. Yanez, CTAC	ED
B. Pace, NWP	ED	D. Harvill, CTAC	ED
I. Joo, NWP	ED	G. White, CTAC	ED
J. Carter, NWP	ED	Site Documents	ED
V. Cannon, NWP	ED	CBFO QA File	
B. Allen, NWP	ED	CBFO M&RC	
		*ED denotes electror	

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**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, (PLWWIS)	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:**

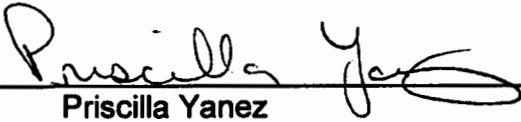
A pre-audit conference is scheduled for 9:00 a.m. on Tuesday, December 6, 2016, at the Skeen-Whitlock Building, Conference Room T-224.

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
<b>NEW PROCESSES OR EQUIPMENT</b>				
	N/A			
<b>PREVIOUSLY APPROVED PROCESSES OR EQUIPMENT</b>				
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