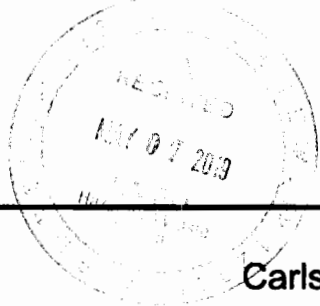


United States Government



ENTERED Department of Energy

memorandum

Carlsbad Field Office Carlsbad, New Mexico 88221

DATE: MAY 07 2019

REPLY TO ATTN OF: CBFO:OQA:DSM:JM:19-0884:UFC 2300.00

SUBJECT: Recertification Audit A-19-34 of the SNL-CCP Transuranic Waste Characterization and Certification Program

to: J. Todd, Dept. of Energy - Sandia National Laboratory

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 Sandia National Laboratories Central Characterization Program (SNL-CCP). The audit will take place at the Skeen-Whitlock Building in Carlsbad, New Mexico, June 18 – 20, 2019. The SNL-CCP characterization activities for remote-handled summary category group S5000 debris waste will be evaluated during the audit. The audit will be conducted in accordance with the attached audit plan.

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

D. S. Miehl

Dennis S. Miehl Senior Quality Assurance Specialist

Attachment

cc: w/attachment

- R. Murray, EM ED
K. Lachman, CBFO ED
N. Castaneda, CBFO ED
T. Carver, CBFO ED
D. Gadbury, CBFO ED
M. Navarrete, CBFO ED
M. Stapleton, CBFO ED
M. Spoerner, SNL ED
B. Covert, NWP ED
S. Strong, NWP ED
M. Percy, NWP ED
R. Lee, NWP ED
R. Reeves, NWP ED
C. Simmons, NWP ED
J. Harvill, NWP ED
J. Carter, NWP ED
D. Ivey, NWP ED
V. Ballew, NWP ED
S. Saiz, NWP ED
A. Boyea, NWP ED
J. Walsh, EPA ED
J. Ellis, EPA ED
T. Peake, EPA ED
E. Feltcom, EPA ED
J. Kieling, NMED ED
R. Maestas, NMED ED
D. Biswell, NMED ED
M. McLean, NMED ED
T. Runyon, CTAC ED
P. Martinez, CTAC ED
H. Tellez, CTAC ED
C. Castillo, CTAC ED
P. Gomez, CTAC ED
D. Harvill, CTAC ED
G. White, CTAC ED
Site Documents ED
CBFO QA File
CBFO M&RC

\*ED denotes electronic distribution

190504



## CARLSBAD FIELD OFFICE AUDIT PLAN

**Audit Number:** A-19-34

**Organization to be Audited** Sandia National Laboratories (SNL), Nuclear Waste Partnership LLC (NWP) Central Characterization Program (CCP)

**Organizations to be Notified:** SNL  
NWP  
New Mexico Environment Department (NMED)  
U.S. Environmental Protection Agency (EPA)

**Date and Location:** June 18 – 20, 2019  
Skeen Whitlock Building, Carlsbad, New Mexico

**Audit Team:**

Dennis Miehls	Carlsbad Field Office (CBFO) Quality Assurance Management Representative
Paul Gomez	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Dustin Stegman	Audit Team Lead-IT, CTAC
Jim Oliver*	Technical Specialist, CTAC (DTC)
B. J. Verret	Technical Specialist, CTAC (Transport)
Ricardo Chavez	Technical Specialist, CTAC (AK)
Dick Blauvelt*	Technical Specialist, CTAC (AK)
Randy Fitzgerald*	Technical Specialist, CTAC (AK)
David Guerin	QA Auditor, LANL-CO

\*Participating via telecom

### Audit Scope:

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The audit team will evaluate the adequacy, implementation, and effectiveness of the technical and quality assurance (QA) activities performed by NWP/CCP at SNL for characterization of remote-handled (RH) summary category group S5000 debris waste.

Waste Characterization certification activities at SNL have been suspended and no field characterization activities have been performed since CBFO Audit A-15-25, dated August 18 – 20, 2015.

Shielded container loading at SNL was completed October 1, 2018 and the NWP/CCP process for loading waste into shielded containers was evaluated at Argonne National Laboratory/CCP during CBFO Audit A-18-17, dated July 31 – August 2, 2018.

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

**Governing Documents/Requirements:**

Evaluation of the overall program adequacy, implementation, and effectiveness of SNL/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 SNL/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
- Records

Technical Activities to be evaluated

- Acceptable Knowledge (AK), including waste certification
  - Including, but not limited to, Enhanced AK, Enhanced Chemical Compatibility Evaluation, Basis of Knowledge, AK Assessments, AK Briefings, Interface Waste Management Documents List
- Dose-to-Curie (DTC)
- Visual Examination (VE)

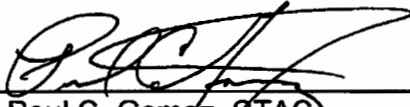
**Schedule of Audit Activities:**

Audit activities will be conducted in Carlsbad, New Mexico.

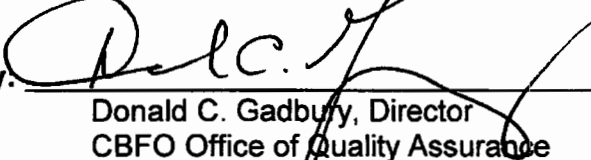
A pre-audit conference is scheduled for 9:00 a.m. on Tuesday, June 18, 2019, at the Skeen-Whitlock Building, Conference Room T-224.

If needed, the audit team leader will conduct a management briefing with appropriate NWP/CCP Management at 9:30 a.m. on Wednesday and Thursday, June 19 and 20, 2019, at the Skeen-Whitlock Building, Conference Room T-224.


A post-audit conference is scheduled for 2:00 p.m. on Thursday, June 20, 2019, at the Skeen-Whitlock Building, Conference Room T-224.

Approved By:   
Paul C. Gomez, CTAC  
Audit Team Leader

Date: 5-6-2019

Approved By:   
Donald C. Gadbury, Director  
CBFO Office of Quality Assurance

Date: 5-6-2019

Dennis S. Michls  


5-6-2019

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SNL CCP NTP 2019 RH Audit Recertification Scope

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
<b>PROCESSES OR EQUIPMENT TO BE EVALUATED FOR RECERTIFICATION</b>				
20RHVE1	Visual Examination Procedures –CCP-TP-500, CCP RH Waste VE Description – Visual Examination of Records for Remote-Handled for Waste Stream SNL-HCF-S5400-RH	Debris (S5000)	Yes	No
20DTC1	Dose-to-Curie Procedure – CCP-TP-504, CCP DTC Survey Procedure for RH Transuranic Waste Description – Radiological Characterization	Debris (S5000)	N/A	No
N/A	Acceptable Knowledge (AK)	Debris (S5000)	Yes	No
N/A	Data Generation and Project Level Validation and Verification (V&V)	Debris (S5000)	Yes	No
N/A	WIPP Waste Information System/Waste Data System (WWIS/WDS)	Debris (S5000)	Yes	No
N/A	Quality Assurance Program	Debris (S5000)	N/A	Yes

\*Waste Characterization activities at the SNL have been suspended and no field characterization activities have been performed.