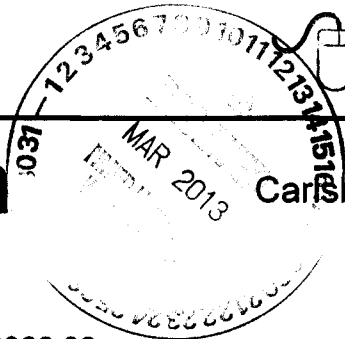


United States Government

memorandum**ENTERED**
Department of EnergyCarlsbad Field Office
Carlsbad, New Mexico 88221

DATE: MAR 12 2013

REPLY TO
ATTN OF: CBFO:OQA:DM:CC:13-1352:UFC 2300.00

SUBJECT: Audit Plan for Recertification Audit A-13-12 of the Oak Ridge National Laboratory Central Characterization Project

TO: William McMillan

Please be advised that an audit team from the Carlsbad Field Office (CBFO) will conduct Hazardous Waste Facility Permit Attachment C6 Audit A-13-12 of the Oak Ridge National Laboratory Central Characterization Project contact-handled and remote-handled transuranic waste characterization activities. The audit is scheduled to take place April 23–25, 2013. The audit will be conducted at the Skeen-Whitlock Building in Carlsbad, New Mexico, in accordance with the attached audit plan. Representatives from the New Mexico Environment Department may be present to observe the audit.

Your representatives are requested to coordinate with the audit team to provide the team cognizant personnel to support the audit as well as access to the appropriate documentation and records.

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

Dennis S. Miehls
Acting Quality Assurance Director

Attachment



Mr. William McMillan

-2-

MAR 12 2013

cc: w/attachment

J. Franco, CBFO	*ED
M. Navarrete, CBFO	ED
J. R. Stroble, CBFO	ED
N. Castaneda, CBFO	ED
T. Morgan, CBFO	ED
M. Pinzel, CBFO	ED
F. Sharif, NWP	ED
T. Reynolds, NWP/CCP	ED
D.E. Gulbransen, NWP/CCP	ED
V. K. Cannon, NWP/CCP	ED
M. W. Percy, NWP/CCP	ED
M. L. Sensibaugh, NWP/CCP	ED
I. Quintana, NWP/CCP	ED
J. Carter, NWP/CCP	ED
T. Peake, EPA	ED
L. Bender, EPA	ED
E. Feltcorn, EPA	ED
R. Joglekar, EPA	ED
S. Ghose, EPA	ED
R. Lee, EPA	ED
F. Heacker, ORNL	ED
T. Kliphuis, NMED	ED
S. Holmes, NMED	ED
R. Maestas, NMED	ED
D. Winters, DNFSB	ED
P. Gilbert, LANL-CO	ED
G. Lyshik, LANL-CO	ED
P. Martinez, CTAC	ED
G. White, CTAC	ED
M. Mager, CTAC	ED
WIPP Operating Record	ED
CBFO QA File	
CBFO M&RC	

*ED denotes electronic distribution

**CARLSBAD FIELD OFFICE
REVISED AUDIT PLAN**

Audit Number: A-13-12

Organization to be Audited: Oak Ridge National Laboratory (ORNL), Nuclear Waste Partnership LLC (NWP) Central Characterization Program (CCP)

Organizations to be Notified: ORNL
NWP
New Mexico Environment Department (NMED)
Defense Nuclear Facilities Safety Board
U.S. Environmental Protection Agency (EPA)

Date and Location: April 23 – 25, 2013
Carlsbad, New Mexico

Audit Team: Porf Martinez Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)

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 ORNL for characterization and certification of contact-handled Summary Category Groups (SCGs) S4000 soils waste and S5000 debris waste, and remote-handled SCG S5000 debris waste.

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

The audit team will evaluate documentation in support of TRU waste characterization activities performed at ORNL from the date of the previous recertification audit (A-12-08, conducted March 27-29, 2012), complete applicable C6 checklists, and include objective evidence with the audit report.

The audit will be performed in the Skeen-Whitlock Building in Carlsbad, New Mexico. See the attached "Processes and Equipment to be Reviewed During Audit A-13-12 of ORNL/CCP" for additional details.

Governing Documents/Requirements:

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

- *CBFO Quality Assurance Program Document, DOE/CBFO-94-1012*

- Hazardous Waste Facility Permit, Waste Isolation Pilot Plant, EPA No. NM4890139088-TSDF, the New Mexico Environment Department
- *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 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

Quality Assurance

The following general areas from section C6-1 of the HWFP:

- Nonconformances
- Personnel Qualification and Training
- Records

Technical Activities

- Generator and Project Level Data Validation & Verification
- Acceptable Knowledge
- Real-time Radiography
- Visual Examination
- Headspace Gas Sampling
- Nondestructive Assay
- Radiological Characterization (dose-to-curie)
- Waste Certification (e.g., Waste Stream Profile Form)
- WIPP Waste Information System/Waste Data System

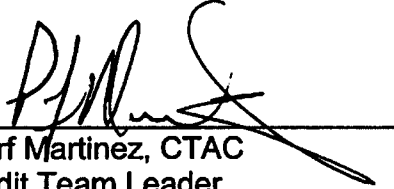
Schedule of Audit Activities:

A pre-audit conference is scheduled for Tuesday, April 23, 2013, at 8:00 a.m.

If needed, the audit team leader will conduct a management briefing with appropriate ORNL and CCP management Wednesday, April 24, and Thursday, April 25, 2013, at 8:30 a.m.

A post-audit conference is scheduled for Thursday, April 25, 2013, at 3:00 p.m.

All meetings will take place at the designated locations at the Skeen-Whitlock Building in Carlsbad, New Mexico.

Prepared by: 
Porf Martinez, CTAC
Audit Team Leader

Date: 3/8/13

Concurrence: 
Dennis S. Miehl, CBFO
Acting Quality Assurance Director

Date: 3-8-13

Processes and Equipment to be Audited During Audit A-13-12 of the ORNL/CCP

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				
Contact-handled (CH) S4000 soils waste and S5000 debris waste				
N/A	Acceptable Knowledge Procedure – CCP-TP-002 and CCP-TP-005	Soils (S4000) Debris (S5000)	YES	YES
16RR1	Real-Time Radiography Mobile Characterization System (MCS) RTR # 6 – 55-gallon drums Procedure – CCP-TP-165 and CCP-TP-053	Soils (S4000) Debris (S5000)	NO	YES
N/A	Headspace Gas Sampling Procedure – CCP-TP-082 and CCP-TP-093	Debris (S5000)	NO	YES
N/A	Data Generation and Project Level Validation & Verification (V&V) Procedure – CCP-TP-001	Soils (S4000) Debris (S5000)	YES	YES
N/A	WIPP Waste Information System (WWIS)/Waste Data System (WDS) Procedure – CCP-TP-030 and CCP-TP-033	Soils (S4000) Debris (S5000)	YES	YES
16IQ1	NDA IQ3 Procedures: CCP-TP-046, <i>CCP Mobile IQ3 System Calibration Procedure</i> CCP-TP-047, <i>CCP Mobile IQ3 Gamma Scanner Operation</i> CCP-TP-048, <i>CCP Mobile IQ3 System Data Reviewing, Validating, and Reporting Procedure</i>	Soils (S4000) Debris (S5000)	N/A	YES

Processes and Equipment to be Audited During Audit A-13-12 of the ORNL/CCP

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
16VE1	Visual Examination Procedure: CCP-TP-113, <i>CCP Standard Contact-Handled Waste Visual Examination</i>	Soils (S4000) Debris (S5000)	NO	YES
N/A	Quality Assurance	N/A	N/A	YES
Remote-handled (RH) S5000 debris waste				
N/A	Acceptable Knowledge Procedure – CCP-TP-002, CCP-TP-005, and CCP-TP-506	Debris (S5000)	YES	YES
N/A	Data Generation and Project Level Validation & Verification (V&V) Procedure – CCP-TP-001	Debris (S5000)	YES	YES
N/A	WIPP Waste Information System (WWIS)/Waste Data System (WDS) Procedure – CCP-TP-530	Debris (S5000)	YES	YES
16RHVE1	Visual Examination (VE) Procedure – CCP-TP-163 and CCP-TP-500	Debris (S5000)	NO	YES
16DTC1	Radiological characterization (Dose-to-Curie) Procedure - CCP-TP-504	Debris (S5000)	N/A	YES
N/A	Quality Assurance	N/A	N/A	YES

Processes and Equipment to be Audited During Audit A-13-12 of the ORNL/CCP

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
N/A	Headspace Gas Sampling (SUMMA®) Procedure – CCP-TP-082 and CCP-TP-093	Debris (S5000)	N/A	YES
TRANSPORTATION				
16HG2	Flammable Gas Analysis HSG-FGA-04 Procedure: DOE/WIPP-06-3345	Soils (S4000) Debris (S5000)	N/A	YES
DEACTIVATED EQUIPMENT				
16SG1	DWAS/IPAN/SGS-01 CCP-TP-169, <i>CCP Operating the Mobile SGS</i> CCP-TP-172, <i>CCP Calibrating the Mobile Segmented Gamma Scanner</i> CCP-TP-166, <i>CCP DWAS IPAN Operations</i> CCP-TP-167, <i>CCP Drum Waste Assay System Imaging</i> <i>Passive/Active Neutron Calibration</i> CCP-TP-168, <i>CCP DWAS IPAN/SGS Data Generation</i> <i>Level Validation</i>	Soils (S4000) Debris (S5000)	N/A	YES