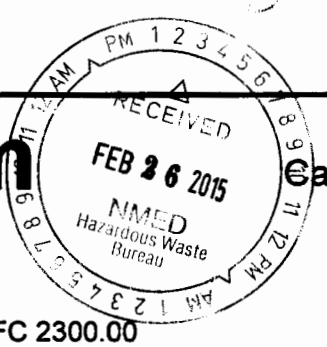
DOE F 1325.8

United States Government **Department of Energy**

memorandum

Carlsbad Field Office
Carlsbad, New Mexico 88221



DATE: FEB 26 2015

REPLY TO ATTN OF: CBFO:QAD:MPN:RMS:15-0660:UFC 2300.00

SUBJECT: Reschedule of CBFO Recertification Audit A-15-09 of the ORNL/CCP and Transmittal of the Revised Audit Plan

TO: Laura Wilkerson, DOE-OR

Please be advised that Carlsbad Field Office (CBFO) Recertification Audit A-15-09 of the Oak Ridge National Laboratory Central Characterization Program (ORNL/CCP) has been rescheduled from February 24-26, 2015 to March 31- April 2, 2015. The revised audit plan is attached.

If you have any questions concerning Audit A-15-09, please contact me at (575) 234-7483.

Martin P. Navarrete
Senior Quality Assurance Specialist

Attachment

cc: w/attachment

M. Brown, CBFO	*ED	R. Joglekar, EPA	ED
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W. Ledford, NWP	ED	G. White, CTAC	ED
J. Carter, NWP	ED	Site Documents	ED
T. Peake, EPA	ED	CBFO QA File	
L. Bender, EPA	ED	CBFO M&RC	
E. Feltcorn, EPA	ED		

*ED denotes electronic distribution

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CARLSBAD FIELD OFFICE
AUDIT PLAN

Audit Number: A-15-09

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

Date and Location: March 31 – April 2, 2015
Oak Ridge, TN, and Carlsbad, NM

Audit Team:

Mike Brown	Carlsbad Field Office (CBFO) Quality Assurance Division Director
Martin Navarrete	Management Representative, CBFO Quality Assurance Division
Rick Castillo	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Berry Pace	Auditor, CTAC
Charlie Riggs (AK)*	Auditor, CTAC
Priscilla Martinez (NDA)	Auditor, CTAC
Katie Martin (RTR)	Auditor, CTAC
Tamara Ackman (VE)	Auditor, CTAC
Jim Schuetz (C6 QA)*	Auditor, CTAC
Dick Blauvelt (AK)*	Technical Specialist, CTAC
Judith Stewart (AK)*	Technical Specialist, CTAC
Porf Martinez (RTR)	Technical Specialist, CTAC
Rhett Bradford (VE)	Technical Specialist, CTAC
Paul Gomez (PL/V&V)*	Technical Specialist, CTAC
Michel Hall (NDA/DTC)	Technical Specialist, CTAC
B.J. Verret (FG/CM)	Technical Specialist, CTAC
Greg Knox (RTR)	Technical Specialist-in-Training, CTAC

* Indicates team members working at the Skeen-Whitlock Building in Carlsbad, NM.

Audit Scope:

The audit team will evaluate the continued adequacy, implementation, and effectiveness of the technical and quality assurance (QA) activities performed by NWP/CCP at ORNL for characterization of contact-handled (CH) Summary Category Groups (SCGs) S3000 solids, S4000 soils/gravel, S5000 debris wastes and remote-handled (RH) SCG S5000 debris wastes.

The audit will be performed at the ORNL site in Oak Ridge, TN, and in the Skeen-Whitlock Building in Carlsbad, NM. 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 and effectiveness of ORNL/CCP documents will be based on the current revisions of the following documents:

- *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 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 Hazardous Waste Facility Permit:

- Nonconformances
- Personnel Qualification and Training
- Records

Technical Activities

- Project-level Data Validation and Verification (PLV&V)
- Acceptable Knowledge (AK), including waste certification (i.e., Waste Stream Profile Forms)

- Real-time Radiography (RTR)
- Visual Examination (VE)
- Nondestructive Assay (NDA)
- Dose-to-Curie (DTC)
- Flammable Gas Analysis (FGA)
- WIPP Waste Information System/Waste Data System (WWIS/WDS)

Schedule of Audit Activities:

A pre-audit conference is scheduled for Tuesday, March 31, 2015, at 8:30 a.m.

Audit team caucuses will be held at 4:00 p.m., Tuesday and Wednesday, March 31 and April 1, 2015, and at 1:00 p.m. on Thursday, April 2, 2015.

If needed, the audit team leader will conduct a management briefing with appropriate ORNL and CCP management Wednesday, April 1, and Thursday, April 2, 2015, at 8:30 a.m.

A post-audit conference is scheduled for Thursday, April 2, 2015, at 3:00 p.m.

All meetings will take place at the designated locations at the ORNL in Oak Ridge, TN, and Skeen-Whitlock Building in Carlsbad, NM.

Prepared by: R. L. Castillo **Date:** 2/24/15
Rick L. Castillo
CTAC Audit Team Leader

Concurrence: Michael R. Brown **Date:** 2/25/2015
Michael R. Brown, Director
CBFO Quality Assurance Division

CENTRAL CHARACTERIZATION PROGRAM
LIST OF CH AND RH EQUIPMENT AND PROCESSES REQUIRING EVALUATION AND CERTIFICATION AT OAK RIDGE NATIONAL LABORATORY

WDS Method ID #	Site Equipment # or Title	Description	Components	Software	NDA Calibrated Range, Operating Range and TMU
Nondestructive Assay (NDA)					
16IQ1	IQ3	Canberra Mobile Qualitative and Quantitative Drum Counter with Isotopics (IQ3) Procedure CCP-TP-046, CCP-TP-047, CCP-TP-048	• High Sensitivity Gamma Waste Assay System • 3 HPGe Coaxial Detectors • 3 LEGe Detectors	NDA-2000 Genie 2000	The calibration of the IQ3 is documented in MCS-IQ3-CALIB-2012, "Calibration Report for the MCS IQ3", MCS-IQ3-TMU-2009. Total Measurement Uncertainty for the MCS IQ3 documents the estimate of total measurement uncertainty.
16MILCC2	MILCC2	Mobile ISOCS Large Container Counter (MILCC) Approved for 55 gallon drums Procedures CCP-TP-076, CCP-TP-077, and CCP-TP-048	• ISOCS Characterized Broad Energy Gamma Detectors (2) • ISOCS rails and collimator sets (2) • ISOCS carts (2) • Signal cables • Canberra LYNX Digital Signal Processors (2)	NDA-2000 Genie 2000	*Calibration Report for the Mobile ISOCS Large Container Counter (MILCC) at the Transuranic Waste Processing Center in Oak Ridge, TN* describes the operating ranges and methods. The acceptance range is LLD to limited by dead time. Acceptable density range for gamma is approximately 0.001-2.50 g/cc.
Dose-to-Curie (DTC)					
16DTC1	Dose-to-Curie	Radiological characterization process Procedure CCP-TP-504	As identified in CCP-TP-504	As identified in CCP-TP-504	N/A
Nondestructive Examination (NDE)					
16RR1	MCS RTR #6	Real-time Radiography Mobile Characterization System RTR #6 Procedure CCP-TP-053, CCP-TP-165	• Shielded x-ray enclosure with a hydraulic drum loading door and manually opened personnel door • Conveyer cart including drum manipulation equipment • X-ray imaging system	N/A	N/A

CENTRAL CHARACTERIZATION PROGRAM
LIST OF CH AND RH EQUIPMENT AND PROCESSES REQUIRING EVALUATION AND CERTIFICATION
AT OAK RIDGE NATIONAL LABORATORY

WDS Method ID #	Site Equipment # or Title	Description	Components	Software	NDA Calibrated Range, Operating Range and TMU
			including x-ray tube, image intensifier, and video camera • Video/audio recording equipment • Mobile platform		
16RR2	MCS RTR #7	Real-time Radiography Mobile Characterization System RTR #7 Procedure CCP-TP-053, CCP-TP-164	• Shielded x-ray enclosure with a hydraulic drum loading door and manually opened personnel door • Conveyer cart including drum manipulation equipment • X-ray imaging system including x-ray tube, image intensifier, and video camera • Video/audio recording equipment • Mobile platform	N/A	N/A
Visual Examination (VE)					
16RHVE1	Visual Examination	Visual Examination Procedure CCP-TP-500	N/A	N/A	N/A
16VE1	Visual Examination	Visual Examination Procedure CCP-TP-113	N/A	N/A	N/A