

United States Government

  
Department of Energy

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**memorandum**Carlsbad Field Office  
Carlsbad, New Mexico 88221

DATE: AUG 15 2014

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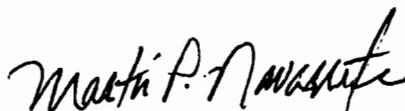
SUBJECT: Audit Plan for Recertification Audit A-14-20, ANL/CCP Transuranic Waste Characterization  
Acitivities for Remote-Handled WasteNMED  
Hazardous Waste Bureau

TO: Dale Dietzel, DOE-CH

Please be advised that an audit team from the Carlsbad Field Office will conduct the subject audit at the Argonne National Laboratory (ANL) in Argonne, Illinois and the Central Characterization Program facilities at the Skeen-Whitlock Building in Carlsbad, New Mexico, September 16-18, 2014. The audit will be conducted 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 and provide the team access to ANL waste characterization facilities; a meeting room (with an overhead projector) to accommodate approximately 30 people for the entrance and exit meetings at both locations; working rooms for the team at both locations; cognizant personnel to support the audit; and access to the appropriate documentation and records at both locations.

If you have any questions or comments concerning this audit, please contact me at (575) 234-7483.

Martin P. Navarrete  
Senior Quality Assurance Specialist

Attachment

140829



Dale Dietzel

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AUG 15 2014

cc: w/attachment

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Site Documents	ED

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\*ED denotes electronic distribution

## CARLSBAD FIELD OFFICE AUDIT PLAN

**Audit Number:** A-14-20

**Organization to be Audited:** Argonne National Laboratory (ANL), Nuclear Waste Partnership LLC (NWP) Central Characterization Program (CCP)

**Organizations to be Notified:** ANL  
NWP CCP  
New Mexico Environment Department  
Defense Nuclear Facilities Safety Board  
U.S. Environmental Protection Agency

**Date and Location:** September 16 – 18, 2014  
Argonne, Illinois, and Carlsbad, New Mexico

**Audit Team:**

Martin Navarrete	Management Representative, Carlsbad Field Office (CBFO) Quality Assurance Division
Greg Knox	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Mike Nolan*	Auditor, CTAC (QA)
Katie Martin*	Auditor, CTAC (AK)
Tammy Ackman	Auditor, CTAC (DTC & DM)
Berry Pace	Auditor, CTAC (VE)
Porf Martinez	Technical Specialist, CTAC (VE)
Dick Blauvelt*	Technical Specialist, CTAC (AK)
Paul Gomez*	Technical Specialist, CTAC (V&V)
Jim Oliver	Technical Specialist, CTAC (DTC & DM)

\*To be performed in Carlsbad, NM

### Audit Scope:

The audit team will evaluate the adequacy, implementation, and effectiveness of ANL/CCP technical and quality assurance activities for characterization and certification of remote-handled Summary Category Group S5000 debris waste. The audit team will evaluate these activities for compliance to requirements in the Waste Isolation Pilot Plant Hazardous Waste Facility Permit *Waste Analysis Plan (WAP)*, the *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant (WAC)*, the *Remote-Handled TRU Waste Characterization Program Implementation Plan*, and the *CBFO Quality Assurance Program Document (QAPD)*. Elements of the WAP will be evaluated using the pertinent February 2014 version of the WAP Table C6 Checklists. Non-WAP-related activities will be evaluated for compliance to the requirements in the CBFO QAPD using auditor-generated checklists. See Attachment 1, Processes and Equipment to Be Reviewed During Audit A-14-20 of the ANL/CCP, for additional details.

**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 Activities – Carlsbad**

- Personnel Qualification and Training
- Records
- Non-conformances

**Technical Activities – ANL and Carlsbad**

- Acceptable Knowledge (AK)
- Project-Level Data Validation and Verification (V&V)
- Visual Examination (VE)
- Dose-to-Curie (DTC)
- Dimensional Measurement (DM)
- Waste Certification (e.g., Waste Stream Profile Form)
- WIPP Waste Information System (WWIS)/Waste Data System (WDS)

**Governing Documents/Requirements**

Overall program adequacy and effectiveness of the ANL/CCP waste characterization processes will be based on the current revisions of the following documents:

- DOE/CBFO-94-1012, *Quality Assurance Program Document (QAPD)*
- Waste Isolation Pilot Plant Hazardous Waste Facility Permit NM4890139088-TSDF
- DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
- *Remote-Handled TRU Waste Characterization Program Implementation Plan*, DOE/WIPP-02-3214
- CCP implementing procedures

**Schedule of Audit Activities:**

All times shown are Central Daylight Time.

A pre-audit conference will be held Tuesday, September 16, 2014, at 9:00 a.m.

Management briefings will be held Wednesday, September 17, and Thursday, September 18, 2014, at 8:30 a.m.

Audit team caucus meetings will be held Tuesday, September 16, and Wednesday, September 17, 2014, at 4:00 p.m.

An audit team caucus meeting will be held Thursday, September 18, 2014, at 2:00 p.m.

A post-audit conference will be held Thursday, September 18, 2014, at 4:00 p.m.

All meetings will take place at the designated ANL/CCP and CBFO Skeen-Whitlock Building locations.

Prepared by:  Date: 11 Aug 2014  
Greg Knox, CTAC  
Audit Team Leader

Concurrence:  Date: 08/13/2014  
CBFO Quality Assurance Director

## Processes and Equipment to Be Reviewed During Audit A-14-20 of the ANL/CCP

WIPP #	Process/Equipment Description	Applicable to the Following Summary Category Groups	Currently Approved by NMED	Currently Approved by EPA
<b>PREVIOUSLY APPROVED PROCESSES OR EQUIPMENT</b>				
The following will be reevaluated during CBFO Audit A-14-20				
8RHVE1	Visual Examination CCP-TP-500, CCP Remote-Handled Waste Visual Examination CCP-TP-163, CCP Evaluation of Waste Packaging Records for Visual Examination of Records	Debris (S5000)	YES	YES (Records only)
8RHVE2	Visual Examination of Newly Packaged RH Waste Drums CCP-TP-500, CCP Remote-Handled Waste Visual Examination	Debris (S5000)	YES	YES
N/A	Acceptable Knowledge CCP-TP-005, CCP Acceptable Knowledge Documentation	Debris (S5000)	YES	YES
N/A	Data Verification and Validation CCP-TP-001, CCP Project Level Data Validation and Verification CCP-TP-500, CCP Remote-Handled Waste Visual Examination CCP-TP-504, CCP Dose-to-Curie Survey Procedure for Remote-Handled Transuranic Waste	Debris (S5000)	YES	YES
8DTC1	Dose-to-Curie CCP-TP-504, CCP Dose-to-Curie Survey Procedure for Remote-Handled Transuranic Waste	Debris (S5000)	N/A	YES
8RHGM1	Dimensional Measurement CCP-TP-513, CCP Procedure for Dimensional or Gravimetric Measurements for Radiological Characterization of Remote-Handled Transuranic Waste	Debris (S5000)	N/A	YES
N/A	Quality Assurance	N/A	N/A	YES
N/A	WIPP Waste Information System (WWIS)/Waste Data System (WDS)	NA	YES	YES