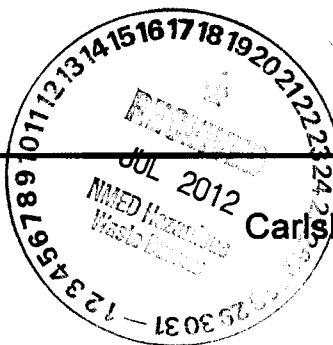




United States Government

Department of Energy

# memorandum

Carlsbad Field Office  
Carlsbad, New Mexico 88221

DATE: JUL 19 2012

REPLY TO  
ATTN OF: CBFO:OQA:CF:CC:12-1459:UFC 2300.00

SUBJECT: Audit Plan for Recertification Audit A-12-16 of the Argonne National Laboratory Central Characterization Project Transuranic Waste Characterization Activities for Remote-Handled Waste

TO: Dale Dietzel, DOE-CH

Please be advised that an audit team from the Carlsbad Field Office (CBFO) will conduct the subject audit at the Argonne National Laboratory (ANL) in Argonne, IL, and the CBFO Skeen-Whitlock Building in Carlsbad, NM, August 28 – 30, 2012. 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 the ANL Central Characterization Project 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, please contact me at (575) 234-7548.

Courtland G. Fesmire, P.E.  
Quality Assurance Engineer

Attachment



cc: w/attachment  
R. Unger, CBFO \*ED  
J. R. Stroble, CBFO ED  
M. Pinzel, CBFO ED  
T. Morgan, CBFO ED  
K. Joshi, DOE-CH ED  
D. Ploetz, WTS/CCP ED  
M. Sensibaugh, WTS/CCP ED  
V. Cannon, WTS/CCP ED  
A. J. Fisher, WTS/CCP ED  
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Y. Salmon, WTS/CCP ED  
J. Carter, WTS/CCP ED  
T. Peake, EPA ED  
M. Eagle, EPA ED  
E. Feltcorn, EPA ED  
R. Joglekar, EPA ED  
S. Ghose, EPA ED  
R. Lee, EPA ED  
J. Kieling, NMED ED  
T. Klijhuis, NMED ED  
S. Holmes, NMED ED  
R. Maestas, NMED ED  
T. Kesterson, NMED/DOE OB ED  
J. Marple, NMED/DOE OB ED  
D. Winters, DNFSB ED  
P. Gilbert, LANL-CO ED  
G. Lyshik, LANL-CO ED  
G. Knox, CTAC ED  
M. Mager, CTAC ED  
G. White, CTAC ED  
WIPP Operating Record ED  
CBFO QA File  
CBFO M&RC  
\*ED denotes electronic distribution

## CARLSBAD FIELD OFFICE AUDIT PLAN

**Audit Number:** A-12-16

**Organization to be Audited:** Argonne National Laboratory (ANL), Washington TRU Solutions (WTS)  
Central Characterization Project (CCP)

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

**Date and Location:** August 28 – 30, 2012  
Argonne, Illinois, and  
Carlsbad, New Mexico

**Audit Team:**

Courtland Fesmire	Management Representative, Carlsbad Field Office (CBFO) Office of Quality Assurance
Greg Knox	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Berry Pace	Auditor, CTAC
Porf Martinez	Auditor, CTAC
Charlie Riggs	Auditor, CTAC
Rick Castillo	Auditor, CTAC
Rhett Bradford	Technical Specialist, CTAC
Dick Blauvelt	Technical Specialist, CTAC
Sheila Hailey	Technical Specialist, CTAC
Paul Gomez	Technical Specialist, CTAC
Jim Oliver	Technical Specialist, CTAC
B.J. Verret	Technical Specialist, CTAC

### 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) and the CBFO Quality Assurance Program Document (QAPD). See Attachment 1, Processes and Equipment to Be Reviewed During Audit A-12-16 of the ANL/CCP, for additional details. Elements of the WAP will be evaluated using the May 8, 2012 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.

**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**

- Personnel Qualification and Training
- Records
- Quality Improvement/Nonconformances

**Technical Activities**

**ANL (Argonne)**

- Visual Examination (VE)
- Dose-to-Curie (DTC)
- Gravimetric or Dimensional Measurement
- Headspace Gas (HSG) Sampling
- Transportation

**Carlsbad**

- Project-Level Data Validation and Verification
- Acceptable Knowledge (AK)
- 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)*
- Hazardous Waste Facility Permit, Waste Isolation Pilot Plant, EPA No. NM4890139088-TSDF, the New Mexico Environment Department
- 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:**

A pre-audit conference will be held Tuesday, August 28, 2012, at 9:00 a.m. CDT

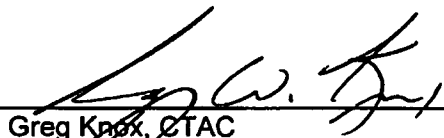
Management briefings will be held Wednesday, August 29, and Thursday, August 30, 2012, at 8:30 a.m. CDT

Audit team caucus meetings will be held Tuesday, August 28, and Wednesday, August 29, 2012, at 4:00 p.m. CDT


An audit team caucus meeting will be held Thursday, August 30, 2012, at 2:00 p.m. CDT

A post-audit conference will be held Thursday, August 30, 2012, at 4:00 p.m. CDT

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

Prepared by:   
Greg Knox, CTAC  
Audit Team Leader

Date: 12 JUL 2012

Concurrence:   
Randy Unger, CBFO  
Director, Office of Quality Assurance

Date: 13 July 12

### Processes and Equipment to Be Reviewed During Audit A-12-16 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-12-16				
N/A	Headspace Gas Sampling CCP-TP-093, CCP Sampling of TRU Waste Containers	Debris (S5000)	YES	N/A
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	Gravimetric or 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