



**Department of Energy**  
 Carlsbad Field Office  
 P.O. Box 3090  
 Carlsbad, New Mexico 88221

 **ENTERED**

**JUN 29 2011**

Mr. John Kieling, Acting Bureau Chief  
 Hazardous Materials Bureau  
 New Mexico Environment Department  
 2905 Rodeo Park Drive East, Building 1  
 Santa Fe, New Mexico 87505-6303

JUN 2011

**Subject: Transmittal of Audit Plan and Notification of Assigned Auditors for CBFO Certification Audit A-11-20 of the ANL/CCP TRU Waste Characterization Activities for RH Waste**

Dear Mr. Kieling:

This letter transmits the audit plan for the Carlsbad Field Office (CBFO) Certification Audit A-11-20 of the Argonne National Laboratory (ANL) Central Characterization Project (CCP) transuranic (TRU) waste characterization activities for remote-handled (RH) waste. The audit will be conducted as required by the Waste Isolation Pilot Plant Hazardous Waste Facility Permit (HWFP), and will be held at the ANL facilities in Argonne, Illinois, and the CBFO Skeen-Whitlock Building in Carlsbad, New Mexico, August 2-4, 2011. The enclosed audit plan identifies the audit team members as required by the HWFP.

If you have any questions concerning this notification, please contact Mr. Randy Unger, Office of Quality Assurance Director, at (575) 234-7065.

Sincerely,



Edward Ziemianski  
 Acting Manager

Enclosure

cc: w/enclosure

|                      |      |                                     |    |
|----------------------|------|-------------------------------------|----|
| D. Garcia, CBFO      | * ED | S. Holmes, NMED                     | ED |
| R. Unger, CBFO       | ED   | T. Hall, NMED                       | ED |
| G. Basabilvazo, CBFO | ED   | G. Knox, CTAC                       | ED |
| J. R. Stroble, CBFO  | ED   | K. D. Martin, CTAC                  | ED |
| D. Miehl, CBFO       | ED   | WIPP Operating Record               | ED |
| M. Navarrete, CBFO   | ED   | CBFO QA File                        |    |
| T. Morgan, CBFO      | ED   | CBFO M&RC                           |    |
| N. Castaneda, CBFO   | ED   | *ED denotes electronic distribution |    |
| S. McCauslin, CBFO   | ED   |                                     |    |

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## CARLSBAD FIELD OFFICE AUDIT PLAN

**Audit Number:** A-11-20

**Organization to be Audited:** Argonne National Laboratory Central Characterization Project (ANL/CCP)

**Organizations to be Notified:** Argonne National Laboratory  
Washington TRU Solutions LLC (WTS)  
New Mexico Environment Department (NMED)  
Defense Nuclear Facilities Safety Board (DNFSB)

**Date and Location:** August 2 – 4, 2011  
Argonne, Illinois, and  
Carlsbad, New Mexico

**Audit Team:**

|                    |  |
|--------------------|--|
| Dennis S. Miehls   | Audit Team Management Representative<br>Carlsbad Field Office (CBFO) |
| Greg Knox          | Audit Team Leader, CBFO Technical Assistance<br>Contractor (CTAC)    |
| Cindi Castillo     | Audit Team Leader (in training), CTAC                                |
| Priscilla Martinez | Auditor, CTAC  |
| Porf Martinez      | Auditor, CTAC  |
| Katie Martin       | Auditor, CTAC  |
| Rick Castillo      | Auditor, CTAC  |
| Rhett Bradford     | Technical Specialist, CTAC   |
| Dick Blauvelt      | Technical Specialist, CTAC   |
| Paul Gomez         | Technical Specialist, CTAC   |
| Jim Oliver         | Technical Specialist, CTAC   |

### Audit Scope:

The audit team will evaluate the adequacy, implementation, and effectiveness of ANL/CCP transuranic (TRU) waste activities related to the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit (HWFP) for characterization and certification of remote-handled (RH) Summary Category Group (SCG) S5000 debris waste. Dimensional/gravimetric measurement and dose-to-curie activities will also be evaluated.

**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 (QA) activities**

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

**Technical activities**

**ANL (Argonne)**

- Visual Examination (VE)
- Dose-to-Curie (DTC)
- Gravimetric or Dimensional Measurement

**Carlsbad**

- Project-Level Data Validation and Verification
- Acceptable Knowledge (AK)
- Headspace Gas (HSG) Sampling (document review only)
- Waste Certification (e.g., Waste Stream Profile Form)
- WIPP Waste Information System (WWIS)/Waste Data System (WDS)

See the attachment 1, Process and Equipment to Be Reviewed During Audit A-11-20 of the ANL/CCP, for additional details.

(Non-HWFP processes will be evaluated for procedural compliance using auditor generated checklists)

**Governing Documents/Requirements**

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

Waste Isolation Pilot Plant Hazardous Waste Facility Permit NM 4890139088-TSDF, 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

CCP Implementing Procedures

**Schedule of Audit Activities:**

A pre-audit conference will be held Tuesday, August 2, 2011, at 8:00 a.m. CDT

Management briefings will be held Wednesday, August 3, and Thursday, August 4, 2011, at 8:30 a.m. CDT

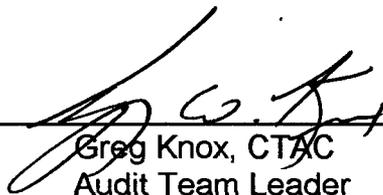
Audit team caucus meetings will be held Tuesday, August 2, and Wednesday, August 3, 2011, at 4:00 p.m. CDT

An audit team caucus meeting will be held Thursday, August 4, 2011, at 2:00 p.m. CDT

A post-audit conference will be held Thursday, August 4, 2011, at 4:00 p.m. CDT

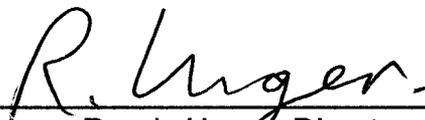
All meetings will take place at the designated ANL/CCP and CBFO Skeen-Whitlock Building locations.

Prepared by: \_\_\_\_\_

  
Greg Knox, CTAC  
Audit Team Leader

Date: 28 JUN 2011

Concurrence: \_\_\_\_\_

  
Randy Unger, Director  
CBFO Office of Quality Assurance

Date: 28 Jun 11.

### Process and Equipment to Be Reviewed During Audit A-11-20 of the ANL/CCP

| WIPP #  | Process/Equipment Description  | Applicable to the Following Waste Streams/Groups of Waste Streams | Currently Approved by NMED | Currently Approved by EPA |
|---|--|---|----------------------------|---------------------------|
| <b>PREVIOUSLY APPROVED PROCESSES OR EQUIPMENT</b>           |  |   |                            |                           |
| The following will be reevaluated during CBFO Audit A-11-20 |  |   |                            |                           |
| N/A   | Headspace Gas Sampling<br>CCP-TP-093, CCP Sampling of TRU Waste Containers   | Debris (S5000)  | YES                        | N/A                       |
| 8RHVE1  | Visual Examination<br>CCP-TP-500, CCP Remote-Handled Waste Visual Examination<br>CCP-TP-163, CCP Evaluation of Waste Packaging Records for Visual Examination of Records   | Debris (S5000)  | YES                        | YES<br>(Records only)     |
| 8RHVE2  | Visual Examination of Newly Packaged RH Waste Drums<br>CCP-TP-500, CCP Remote-Handled Waste Visual Examination   | Debris (S5000)  | YES                        | YES                       |
| N/A   | Acceptable Knowledge<br>CCP-TP-005, CCP Acceptable Knowledge Documentation   | Debris (S5000)  | YES                        | YES                       |
| N/A   | Data Verification and Validation<br>CCP-TP-001, CCP Project Level Data Validation and Verification<br>CCP-TP-500, CCP Remote-Handled Waste Visual Examination<br>CCP-TP-504, CCP Dose-to-Curie Survey Procedure for Remote-Handled Transuranic Waste | Debris (S5000)  | YES                        | YES                       |
| 8DTC1   | Dose-to-Curie<br>CCP-TP-504, CCP Dose-to-Curie Survey Procedure for Remote-Handled Transuranic Waste   | Debris (S5000)  | N/A                        | YES                       |
| 8RHGM1  | Gravimetric or Dimensional Measurement<br>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                       |