



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



JAN 18 2012

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

Subject: Transmittal of Audit Plan and Notification of Assigned Auditors for CBFO Audit A-12-08 of the Oak Ridge National Laboratory Central Characterization Project

Dear Mr. Kieling:

This letter transmits the audit plan for Carlsbad Field Office (CBFO) Recertification Audit A-12-08 of the Oak Ridge National Laboratory Central Characterization Project transuranic waste characterization activities. The audit will be conducted as required by the Waste Isolation Pilot Plant Hazardous Waste Facility Permit (HWFP), and will take place at the Skeen-Whitlock Building in Carlsbad, New Mexico, February 21-23, 2012. The enclosed audit plan identifies the audit team members as required by the HWFP.

I certify under penalty of law that this document was prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

Sincerely,

*George T. Basabilvazo for*

Edward Ziemianski  
 Interim Manager

Enclosure

cc: w/enclosure  
 G. Basabilvazo, CBFO  
 R. Unger, CBFO  
 J. R. Stroble, CBFO  
 S. McCauslin, CBFO  
 T. Morgan, CBFO  
 N. Castaneda, CBFO  
 C. Fesmire, CBFO  
 T. Kliphuis, NMED

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 S. Holmes, NMED  
 R. Maestas, NMED  
 P. Martinez, CTAC  
 M. Mager, CTAC  
 P. Roush, WIPP Operating Record  
 CBFO QA File  
 CBFO M&RC

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\*ED denotes electronic distribution



**CARLSBAD FIELD OFFICE AUDIT PLAN**

**Audit Number:** A-12-08

**Organization to be Audited:** Oak Ridge National Laboratory (ORNL), Washington TRU Solutions, LLC (WTS) Central Characterization Project (CCP)

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

**Date and Location:** February 21 – 23, 2012  
Carlsbad, New Mexico

**Audit Team:**

Porf Martinez	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Earl Bradford	Auditor, CTAC
Prissy Martinez	Auditor, CTAC
Greg Knox	Auditor, CTAC
Katie Martin	Auditor, CTAC
Cindi Castillo	Auditor, CTAC
Dick Blauvelt	Technical Specialist, CTAC
B. J. Verret	Technical Specialist, CTAC
James Oliver	Technical Specialist, CTAC
Rhett Bradford	Technical Specialist, CTAC
Paul Gomez	Technical Specialist, CTAC

**Audit Scope:**

The audit team will evaluate the adequacy, implementation, and effectiveness of the ORNL/CCP technical and quality assurance (QA) activities performed at ORNL for characterization and certification of contact-handled (CH) Summary Category Group (SCG) S4000 soils waste and S5000 debris waste, and remote-handled (RH) SCG S5000 debris waste. The audit will evaluate documentation in support of transuranic (TRU) waste activities performed from the date of the previous recertification audit (A-11-08) through the end of July, 2011.

ORNL/CCP has not characterized any waste after July, 2011, and no TRU waste characterization activities will be performed or evaluated at the ORNL during the audit. CCP operations at the ORNL have been discontinued. When ORNL/CCP field activities resume at ORNL, an audit will be performed to evaluate waste characterization activities before ORNL/CCP is authorized to certify containers using data generated after July, 2011.

The audit will be performed in the Skeen-Whitlock Building in Carlsbad, New Mexico.

See the attached "Process and Equipment to be Reviewed During Audit A-12-08 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:

- *Quality Assurance Program Document (QAPD)*, DOE/CBFO-94-1012
- *Hazardous Waste Facility Permit (HWFP)*, Waste Isolation Pilot Plant, EPA No. NM4890139088-TSDF, the New Mexico Environment Department
- *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant (WAC)*, DOE/WIPP-02-3122
- *Remote-Handled Transuranic Waste Characterization Program Implementation Plan (WCPIP)*, 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 (QAPjP)*, 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 (V&V)
- Acceptable Knowledge (AK)
- Real-time Radiography (RTR)
- Visual Examination (VE)
- Headspace Gas (HSG) Sampling
- Nondestructive Assay (NDA)
- Radiological Characterization (dose to curie [D-T-C])
- Waste Certification (e.g., Waste Stream Profile Form)
- WIPP Waste Information System (WWIS)/Waste Data System (WDS)

**Schedule of Audit Activities:**

A pre-audit conference is scheduled for Tuesday, February 21, 2012, at 8:00 a.m.

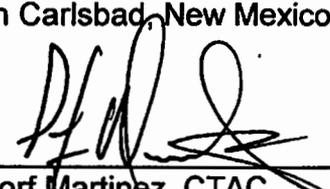
Audit team caucus meetings will be held Tuesday, February 21, and Wednesday, February 22, 2012, at 4:00 p.m., and Thursday, February 23, 2012, at 2:00 p.m.

The audit team leader will conduct a management briefing with appropriate ORNL and CCP management Wednesday, February 22, and Thursday, February 23, 2012, at 8:30 a.m.

A post-audit conference is scheduled for Thursday, February 23, 2012, at 4:00 p.m.

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

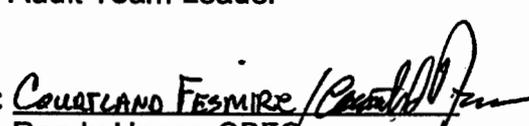
Prepared by:

  
\_\_\_\_\_  
Porf Martinez, CTAC  
Audit Team Leader

Date:

1/10/2012

Concurrence:

  
\_\_\_\_\_  
Randy Unger, CBFO  
Quality Assurance Director

Date: 11 JAN 2012