



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



**MAR 15 2011**

Mr. Steve Zappe, Project Leader  
 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-11-12 of the Bettis Atomic Power Laboratory Central Characterization Project

Dear Mr. Zappe:

This letter transmits the audit plan for Carlsbad Field Office (CBFO) Certification Audit A-11-12 of the Bettis Atomic Power Laboratory Central Characterization Project for activities pertaining to the characterization of remote-handled transuranic waste. The audit will be conducted as required by the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit (HWFP), and will be held at the Skeen-Whitlock Building in Carlsbad, New Mexico, April 19-21, 2011. The audit plan identifies the audit team members as required by the HWFP.

Should you have any questions concerning this notification, please contact Martin P. Navarrete, Acting Director of the Office of Quality Assurance, at (575) 234-7483.

Sincerely,

  
 Edward Ziemianski  
 Acting Manager

Enclosure

cc: w/enclosure  
 O. Vincent, CBFO \*ED  
 G. Basabilvazo, CBFO ED  
 M. Navarrete, CBFO ED  
 D. Miehl, CBFO ED  
 J. R. Stroble, CBFO ED  
 S. McCauslin, CBFO ED  
 S. Holmes, NMED ED  
 P. Gomez, CTAC ED  
 K. D. Martin, CTAC ED  
 WIPP Operating Record ED  
 CBFO QA File  
 CBFO M&RC

\*ED denotes electronic distribution



## CARLSBAD FIELD OFFICE AUDIT PLAN

**Audit Number:** A-11-12

**Organization to be Audited:** Bettis Atomic Power Laboratory (BAPL)/Central Characterization Project (CCP)

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

**Date and Location:** April 19 – 21, 2011  
Carlsbad, New Mexico

**Audit Team:**

Dennis S. Miehls	Audit Team Management Representative, Carlsbad Field Office (CBFO)
Paul C. Gomez	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Porf Martinez	Auditor, CTAC
Priscilla Martinez	Auditor, CTAC
Greg Knox	Auditor, CTAC
Randall Allen	Auditor, CTAC
K. D. Martin	Auditor, CTAC
B.J. Verret	Technical Specialist, CTAC
Dick Blauvelt	Technical Specialist, CTAC
R. Bradford	Technical Specialist, CTAC
James Oliver	Technical Specialist, CTAC

**Audit Observers:** Connie Walker, NMED  
Steve Holmes, NMED

### Audit Scope:

The audit team will evaluate the adequacy, implementation, and effectiveness of CCP programs for controlling quality assurance (QA) and technical activities performed at BAPL. This audit encompasses the activities related to the characterization and certification of remote-handled (RH) Summary Category Group (SCG) S5000 debris waste consisting of a single waste stream designated as BT-T001. This certification audit includes evaluation of the characterization processes completed during CBFO Surveillances S-10-37 for visual examination and S-11-08 for headspace gas sampling and dose to curie.

## **Governing Documents/Requirements**

The overall program adequacy and effectiveness of the BAPL/CCP program 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 (WAC)*
- DOE/WIPP-02-3214, *Remote-Handled Transuranic Waste Characterization Program Implementation Plan (WCPIP)*

Programmatic and technical checklists will be developed from the current revisions of the following documents:

- CCP-PO-001, *CCP Transuranic Waste Quality Assurance Characterization Project Plan (QAPjP)*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- CCP-PO-511, *CCP/BAPL Interface Document*
- Related CCP QA and technical implementing procedures

## **Activities to be Audited:**

### **Quality Elements**

- Nonconformances
- Personnel Qualification and Training
- Records

### **Technical**

- Acceptable Knowledge
- Generation and Project-Level Data Validation and Verification
- Visual Examination
- Dose to Curie
- Performance Demonstration Program
- Headspace Gas Sampling
- Waste Certification (e.g., Waste Stream Profile Form)

**Schedule of Audit Activities:**

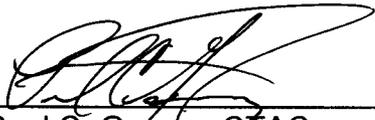
A pre-audit conference is scheduled for Tuesday, April 19, 2011, at 8:00 a.m.

Audit team caucus meetings will be conducted Tuesday and Wednesday, April 19 and 20, 2011, at 3:00 p.m. & Thursday at 2:00 p.m.

Management briefing meetings will be conducted Wednesday and Thursday, April 20 and 21, 2011, at 8:00 a.m.

A post-audit conference is scheduled for Thursday, April 21, 2011, at 3:00 p.m.

All meetings will take place at the CBFO QA conference room in the Skeen-Whitlock Building, Carlsbad, NM.

Prepared by:   
Paul C. Gomez, CTAC  
Audit Team Leader

Date: 3/14/11

Concurrence:   
Martin Navarrete, CBFO  
Acting Quality Assurance Director

Date: 3-14-11

Attachment 1

**Process and Equipment to be Audited During Audit A-11-12 of BAPL/CCP**

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
<b>NEW PROCESSES OR EQUIPMENT</b>				
This audit will evaluate Remote-Handled (RH) S5000 debris waste				
N/A	Acceptable Knowledge Procedure – CCP-TP-002 and CCP-TP-005	Debris (S5000)	NO	NO
19RHVE1	Visual Examination Procedure – CCP-TP-500	Debris (S5000)	NO	NO
19DTC1	Radiological Characterization (DTC) Procedure – CCP-TP-504	Debris (S5000)	N/A	NO
N/A	Headspace Gas Sampling Procedure – CCP-TP-093	Debris (S5000)	NO	N/A
N/A	Data Generation and Project Level Validation and Verification (V&V) Procedure – CCP-TP-001	Debris (S5000)	NO	NO
N/A	WIPP Waste Information System (WWIS/WDS) Procedure – CCP-TP-530 and CCP-TP-507	Debris (S5000)	NO	NO
N/A	Quality Assurance	N/A	YES	YES