



**Department of Energy**  
Carlsbad Field Office  
P. O. Box 3090  
Carlsbad, New Mexico 88221  
September 26, 2001



Mr. Steve Zappe, Project Leader  
Hazardous & Radioactive Materials Bureau  
New Mexico Environment Department  
2905 E. Rodeo Park Drive, Building 1  
Santa Fe, New Mexico 87505-6303

Dear Mr. Zappe:

This letter transmits the audit plan for the CBFO audit A-02-04 to be conducted at the Los Alamos National Laboratory on October 22-26, 2001, as required by the WIPP Hazardous Waste Facility Permit, Section B4-3f. The audit plan also identifies the audit team members as required by Section B6-3 of the Permit.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with 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 fines and imprisonment for knowing violations.

If you have any questions concerning this notification, please contact Mr. Thomas J. Reese, acting Quality Assurance Manager, at (505) 234-7311.

Sincerely,

Dr. Inés R. Triay  
Manager

Enclosure



Mr. Steve Zappe

-2-

September 26, 2001

cc: w/enclosure  
L. Chism, CBFO  
C. Walker, TechLaw  
M. Gerle, WTS (Operating Record)

cc: w/o enclosure  
T. Harms, DOE-HQ           \*ED  
K. Watson, CBFO           \*ED  
J. Reese, CBFO           \*ED  
J. Plum, CBFO           \*ED  
J. Kieling, NMED           \*ED  
J. Bearzi, NMED           \*ED  
L. Steven, WTS           \*ED  
\*ED denotes electronically distributed

**CARLSBAD FIELD OFFICE AUDIT PLAN**

**Audit Number:** CBFO A-02-04

**Organization to Be Audited:** Los Alamos National Laboratory (LANL)

**Organizations to Be Notified:** Los Alamos National Laboratory (LANL)  
New Mexico Environment Department (NMED)  
Environmental Protection Agency (EPA-ORIA)  
Environmental Evaluation Group (EEG)  
Defense Nuclear Facilities Safety Board (DNSFB)

**Date and Location:** October 22 to October 26, 2001  
Los Alamos, New Mexico

**Audit Team:**

Wayne Ledford	Audit Team Leader, CTAC
Steve Calvert	Auditor, CTAC
Amy Arceo	Auditor, CTAC
Pete Rodriguez	Auditor, CTAC
Charlie Riggs	Auditor, CTAC
Steve Davis	Auditor, CTAC
Jim Schuetz	Auditor, CTAC
Dee Scott	Auditor, CTAC
Dick Blauvelt	Technical Specialist, CTAC
Dorothy Gill	Technical Specialist, CTAC
Karen Gaydosh	Technical Specialist, CTAC
Ken Coop	Technical Specialist, CTAC
Joe Willis	Technical Specialist, WTS

**Audit Scope:** The audit will evaluate the continued adequacy, implementation, and effectiveness of the technical activities and associated quality assurance program requirements related to the LANL TRU waste characterization and certification programs for debris wastes. Compliance with the WIPP Hazardous Waste Permit Waste Analysis Plan, nondestructive assay (NDA) processes, and the LANL transportation program will also be evaluated. The audit team will also evaluate the results of previous audits, changes in programs or operations, new programs or activities being implemented, and changes in key personnel.

**Activities to be Audited:**

The following LANL quality assurance elements will be evaluated:

- Organization/QA Program Implementation
- Personnel Qualification and Training

- QA Grading
- Documents and Records
- Procurement
- Control of Measuring and Test Equipment
- Control of Nonconforming Items
- Corrective Action
- Audits/Assessments
- Software Requirements

The following LANL Characterization/Certification technical elements will be evaluated:

- Nondestructive Assay (NDA) – TGS, HENC, IPAN, PC/RANT/FRAM
- Headspace Gas Sampling and Analysis
- Real Time Radioscopy (RTR)
- Visual Examination
- Generation Level Data Verification & Validation
- Project Level Data Verification & Validation
- Acceptable Knowledge
- Waste Analysis Plan
- Waste Stream Profile Forms
- WIPP Waste Information System (WWIS)

The following LANL Transportation technical elements will be evaluated:

- Inspection of Packaging
- Payload Certification
- Preparation and Loading
- Shipping
- Packaging Maintenance
- Gas Generation Test Program Activities

#### **Governing Documents/Requirements:**

Adequacy evaluations of new and revised LANL site and TRU Waste Certification Program (TWCP) specific documents will be based on the current revisions of the following documents:

CBFO Quality Assurance Program Document, CAO-94-1012

Waste Acceptance Criteria for the Waste Isolation Pilot Plant, DOE/WIPP-069

Safety Analysis Report for TRUPACT-II Shipping Package, Appendix 1.3.7, TRAMPAC

## TRUPACT-II Certification of Compliance, NRC 71-9281

Programmatic and technical checklists will be developed from the active revision of the following documents:

LANL Transuranic Waste Quality Assurance Project Plan (QAPjP), TWCP-PLAN-0.2.3-001

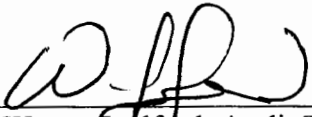
LANL Transuranic Waste Certification Plan (includes TRAMPAC), TWCP-PLAN-0.2.4-001

Related LANL technical and quality assurance implementing procedures

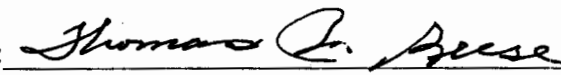
**Schedule of Audit Activities:**

A preaudit conference is scheduled for 3:00 p.m. Monday, October 22, 2001, in the designated area at LANL.

A postaudit conference is scheduled for Friday, October 26, 2001, at 11:00 a.m. in the designated area at LANL.

Prepared By:   
Wayne Ledford, Audit Team Leader

Date: 9/19/01

Approved By:   
Thomas J. Reese,  
Acting CBFO Quality Assurance Manager

Date: 9/25/01