



**Department of Energy**

Carlsbad Area Office  
P. O. Box 3090  
Carlsbad, New Mexico 88221  
May 4, 2000

MAY 2000  
RECEIVED

Mr. Steve Zappe, Project Leader  
Hazardous & Radioactive Materials Bureau  
New Mexico Environment Department  
2044 Galisteo  
Santa Fe, New Mexico 87505

Dear Mr. Zappe:

This letter transmits the audit plan for the CAO audit to be conducted at the Los Alamos National Laboratory on June 5 – 9, 2000, 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.*

Please contact Mr. Sam Vega, the CAO Quality Assurance Manager, at (505) 234-7423 should you have any questions concerning this notification.

Sincerely,

Dr. Inés R. Triay  
Manager

Enclosure



Mr. Zappe

-2-

May 4, 2000

cc w/enclosure:

S. Vega, CAO  
L. Chism, CAO  
W. Most, WID

cc w/o enclosure:

I. Triay, CAO  
K. Watson, CAO  
M. Italiano, CAO  
C. Zvonar, CAO  
J. Plum, CAO  
J. Epstein, WID  
B. Kehrman, WID  
S. Kouba, WID  
J. Bearzi, NMED  
R. Dinwiddie, NMED  
J. Kieling, NMED  
L. Steven, WID

**CARLSBAD AREA OFFICE AUDIT PLAN**

**Audit Number:** CAO A-00-13

**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:** June 5-9, 2000  
Los Alamos, New Mexico

**Audit Team:**

Sam Vega	Quality Assurance Manager, CAO
John Ptacek	Audit Team Leader, CTAC
Nate Morley	Auditor, DOE-Albuquerque
Lea Chism	Auditor, CAO
Mario Chavez	Auditor, CTAC
Norm Frank	Auditor, CTAC
Earl Bradford	Auditor, CTAC
Wayne Ledford	Auditor, CTAC
Amy Arceo	Auditor, CTAC
Charlie Riggs	Auditor, CTAC
Dee Scott	Auditor, CTAC
Mark Doherty	Technical Specialist Coordinator, CTAC
Jody Plum	Technical Specialist, CAO
Al Williams	Technical Specialist, CTAC
Trey Greenwood	Technical Specialist, CTAC
Jim Bresson	Technical Specialist, CTAC
Ron Levis	Technical Specialist, CTAC
Bill Blanton	Technical Specialist, CTAC
Tom Ward	Technical Specialist, WID

**Audit Scope:** The audit will evaluate the adequacy, implementation, and effectiveness of the applicable technical and quality assurance activities related to the LANL TRU Waste characterization, certification, and transportation programs for debris wastes.

**Activities to be Audited:**

The following CAO 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
- Sample Control
- Software Requirements

The following CAO Characterization technical elements will be evaluated:

- Headspace Gas Sampling and Analysis
- Nondestructive Assay (NDA)
- Real Time Radioscopy (RTR)
- Visual Examination
- Generation Level Data Verification & Validation
- Project Level Data Verification & Validation
- Acceptable Knowledge
- Waste Analysis Plan

The following CAO Transportation technical elements will be evaluated:

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

The following CAO Certification technical elements will be evaluated:

- Waste Stream Profile Forms
- WIPP Waste Information System (WWIS)

**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:

CAO Quality Assurance Program Document, CAO-94-1012

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

Hazardous Waste Facility Permit Waste Isolation Pilot Plant EPA No. NM4890139088 by the New Mexico Environment Department, October 27, 1999

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 1:00 p.m. on Monday, June 5, 2000, in the Materials Science Laboratory auditorium, building 1698, LANL Technical Area 3.

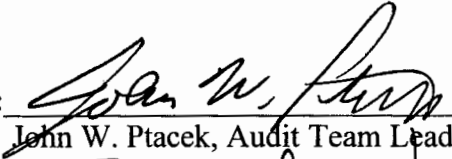
Auditing activities will commence at 2:00 p.m. on Monday, June 5, 2000.

An audit team caucus will be held at 5:00 p.m. on Monday and at 4:00 p.m. Tuesday through Thursday in the main conference room of the DOE-LAAO office building, 528 35<sup>th</sup> Street, Los Alamos, NM. This room will also serve as the main assembly area for the audit team throughout the week.


If desired, the regulatory representatives will have a separate caucus room available from 4:00 to 6:00 p.m. Monday through Thursday in room B-125, building 2, LANL Technical Area 35.

The audit team will meet with appropriate LANL management at 9:00 a.m. Tuesday through Friday on the 2<sup>nd</sup> floor conference area of the RAMROD facility building, LANL Technical Area 50.

A postaudit conference is scheduled for Friday, June 9, 2000, at 1:00 p.m. in the Materials Science Laboratory auditorium, building 1698, LANL Technical Area 3.

Prepared By:   
John W. Ptacek, Audit Team Leader

Date: 5/2/00

Approved By:   
Sam Vega, CAO Quality Assurance Manager

Date: 5/4/00