



**Department of Energy**

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

August 14, 2000



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

Subject: Audit Plan, Los Alamos National Laboratory

Dear Mr. Zappe:

The purpose of this letter is to transmit the audit plan for the CAO audit A-00-16 to be conducted at the Los Alamos National Laboratory on September 25-29, 2000. This is 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 the CAO Quality Assurance Manager, Sam Vega, at (505) 234-7423 should you have any questions concerning this notification.

Sincerely,

Dr. Inés R. Triay  
Manager

Enclosure



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Mr. Steve Zappe

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August 14, 2000

cc w/enclosure:

S. Vega, CAO

L. Chism, CAO

W. Most, WID

cc w/o enclosure:

Triay, CAO

K. Watson, CAO

J. Plum, CAO

C. Holman, CAO

M. Italiano, CAO

C. Zvonar, CAO

J. Bearzi, NMED

R. Dinwiddie, NMED

J. Kieling, NMED

J. Epstein, WID

B. Kehrman, WID

S. Kouba, WID

L. Steven, WID

## CARLSBAD AREA OFFICE AUDIT PLAN

**Audit Number:** CAO A-00-16

**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:** September 25-29, 2000  
Los Alamos, New Mexico

**Audit Team:**

Sam Vega	Quality Assurance Manager, CAO
John Ptacek	Audit Team Leader, CTAC
Lea Chism	Auditor, CAO
Norm Frank	Auditor, CTAC
Pete Rodriguez	Auditor, CTAC
Amy Arceo	Auditor, CTAC
Steve Calvert	Auditor, CTAC
Mark Doherty	Technical Specialist Coordinator, CTAC
Al Williams	Technical Specialist, CTAC
Trey Greenwood	Technical Specialist, CTAC
Ron Levis	Technical Specialist, CTAC
Bill Blanton	Technical Specialist, CTAC

**Audit Scope:** The audit will evaluate the 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 will also be evaluated.

### Activities to be Audited:

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

- 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)  
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:

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. Monday, September 25, 2000, in the MSL Auditorium (Technical Area 3, Bldg. 1698, Room A-103).

Auditing activities will commence at 1:30 p.m. Monday, September 25, 2000.

An audit team caucus will be held at 5:00 p.m. Monday and at 4:00 p.m. Tuesday through Thursday in Conference Rooms 1 and 2 at 528 35<sup>th</sup> Street, Los Alamos. This room will also serve as the main assembly area for the audit team throughout the week. On-site

interviews may be conducted in the RAMROD Conference Room (Technical Area 50, Bldg.37)

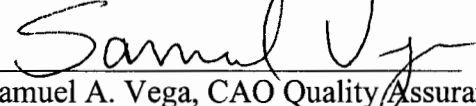
A separate caucus room is available from 1:00 to 5:00 p.m. daily for regulatory personnel caucus requirements. On Monday, Tuesday, and Thursday it will be in Room 137 of Bldg 326 in Technical Area 46. On Wednesday it will be in Room 114, Bldg. RC-34, Technical Area 48.

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, September 29, 2000, at 1:00 p.m. in the MSL Auditorium (Technical Area 3, Bldg. 1698, Room A-103).

Prepared By:   
 John W. Ptacek, Audit Team Leader

Date: 8/8/00

Approved By:   
 Samuel A. Vega, CAO Quality Assurance Manager

Date: 3/9/00