

United States Government

Department of Energy

Memorandum

Carlsbad Area Office
Carlsbad, New Mexico 88221

DATE: July 20, 2000

REPLY TO
ATTN OF: CAO:QA:SAV:00-0842:UFC 2300.00

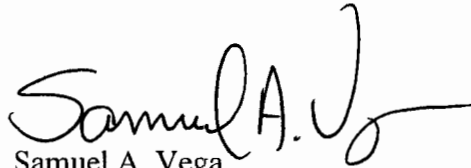
SUBJECT: Audit (A-00-13) of Los Alamos National Laboratory TRU Waste Characterization and Certification Programs

TO: Christopher Murnane, LAAO

Please be advised that a team of auditors from the Carlsbad Area Office (CAO) will conduct an audit at the Los Alamos National Laboratory (LANL) in Los Alamos, New Mexico on August 21-31, 2000. The audit will be conducted in accordance with the attached audit plan. Observers from the Environmental Protection Agency (EPA) and the New Mexico Environment Department (NMED) will participate in the audit. Other interested parties may also accompany the audit team.

Your representatives are requested to coordinate with the audit team to develop the necessary documentation for team access to LANL facilities, arrange for appropriate space to conduct meetings, provide cognizant personnel to support the audit, and provide the audit team with access to appropriate documentation and records.

If you have any questions or comments concerning the audit, please contact me at (505) 234-7423.


Samuel A. Vega
Quality Assurance Manager

Attachment

000732



James Nunn, LAAO

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cc w/attachment:

K. Watson, CAO

B. Stroud, CAO

M. Brown, CAO

L. Chism, CAO

P. Rogers, LANL

M. Gavett, LANL

M. Eagle, EPA

S. Monroe, EPA

✓ S. Zappe, NMED

B. Walker, EEG

J. Ptacek, CTAC

W. Most, WID Operating Record

B. Kehrman, WID

D. Winter, DNFSB

J. Ptacek, CTAC

T. Bowden, CTAC

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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: August 21-25, 2000 and August 28-31, 2000
Los Alamos, New Mexico

Audit Team:

Sam Vega	Quality Assurance Manager, CAO
John Ptacek	Audit Team Leader, CTAC
Nate Morley	Auditor, DOE/AL
Lea Chism	Auditor, CAO
Mario Chavez	Auditor, CTAC
Norm Frank	Auditor, CTAC
Earl Bradford	Auditor, CTAC
Wayne Ledford	Auditor, CTAC
Amy Arceo	Auditor, CTAC
Steve Calvert	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
Randy Fitzgerald	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/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)
- Nondestructive Assay (NDA) - TGS
- Nondestructive Assay (NDA) - HENC
- Nondestructive Assay (NDA) - IPAN
- Nondestructive Assay (NDA) – PC/RANT/FRAM

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

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:

The above audit activities will be conducted during the week of August 21, 2000, except for the annual technical reassessment of the LANL nondestructive assay (NDA) activities which will be conducted August 28-31, 2000.

A preaudit conference is scheduled for 1:00 p.m. Monday, August 21, 2000, in the Materials Science Laboratory auditorium, building 1698, LANL Technical Area 3.

Auditing activities will commence at 2:00 p.m. Monday, August 21, 2000.

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

If requested, 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 2nd floor conference area of the RAMROD facility building, LANL Technical Area 50.

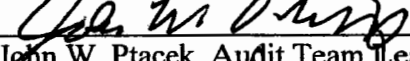
A postaudit conference is scheduled for Friday, August 25, 2000, at 1:00 p.m. in the Materials Science Laboratory auditorium, building 1698, LANL Technical Area 3.

A pre-audit conference to kick off the NDA reassessment activities is scheduled for 1:00 p.m. on Monday, August 28, 2000, in the designated area.

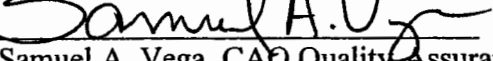
NDA auditing activities will commence at 2:00 p.m. on Monday, August 28, 2000.

An audit team caucus will be held at 5:00 p.m. on Monday and at 4:00 p.m. Tuesday through Wednesday in the designated area. This room will also serve as the main assembly area for the audit team.

A post-audit conference for the NDA reassessment is scheduled for Thursday, August 31, at 1:00 p.m. in the designated area.

Prepared By: 
John W. Ptacek, Audit Team Leader

Date: 2/20/00

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

Date: 7/20/00