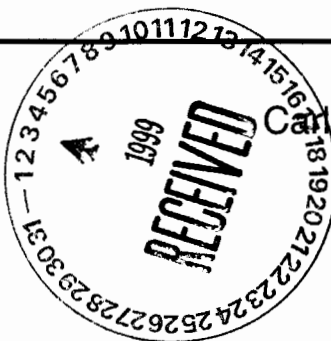


United States Government

Department of Energy

Memorandum

Carlsbad Area Office
Carlsbad, New Mexico 88221

ENTERED

DATE: May 26, 1999

REPLY TO
ATTN OF: CAO:QA:MAI:99-0837:UFC 2300.00

SUBJECT: Audit (A-99-04) of Los Alamos National Laboratory (LANL) TRU Waste Characterization and Certification Programs

TO: Bruce LeBrun, 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 June 14 to 18, 1999. The audit will be conducted in accordance with the attached audit plan. Inspectors from the Environmental Protection Agency (EPA) will participate in the audit. Other interested parties may also accompany the audit team as observers.

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 Sam Vega, Certification Manger, at (505) 234-7423 or me at (505) 234-7484.

Marc A. Italiano
Quality Assurance Manager

Attachment

cc w/ attachment:
G. Basabilvazo, CAO
K. Hunter, CAO
S. Vega, CAO
P. Rogers, LANL
M. Gavett, LANL
M. Eagle, EPA
S. Monroe, EPA
S. Zappe, NMED
B. Walker, EEG
J. Ptacek, CTAC
J. Stroble, WID
D. Winters, DNFSB
T. Bowden, CTAC

990516



CARLSBAD AREA OFFICE AUDIT PLAN

Audit Number: A-99-04

Organization: Los Alamos National Laboratory (LANL)

Date and Location: June 14 to 18, 1999
Los Alamos, New Mexico

Audit Team:

Sam Vega	CAO Certification Manager
John Ptacek	Audit Team Leader
Steve Davis	Auditor/CTAC
Norm Frank	Auditor/CTAC
Earl Bradford	Auditor/CTAC
Dee Scott	Auditor/CTAC
B.J. Verret	Technical Specialist/CTAC
Al Williams	Technical Specialist/CTAC
Jim Bresson	Technical Specialist/CTAC
Mark Doherty	Technical Specialist/CTAC
Bill Weston	Technical Specialist/WID

Audit Scope: The audit will evaluate the adequacy, implementation, and effectiveness of additional technical and quality assurance activities related to LANL Transuranic Waste Characterization and Certification that have been added since the recertification audit conducted in September, 1998. The activities to be evaluated include the use of two non-destructive assay systems (the High Efficiency Neutron Counter and the Tomographic Gamma Scanner), the documentation of acceptable knowledge, the sampling, coring, and analysis of homogeneous solids, and the packaging of newly generated debris waste in TA-55.

Activities/Tasks to be Audited:

The following CAO Quality Assurance Program Document (QAPD) elements will be evaluated:

- Organization and Interfaces
- Sample Control
- Data Documentation, Control, and Validation
- Software Requirements

The following CAO Quality Assurance Program Plan (QAPP) technical elements will be evaluated:

Nondestructive Assay - High Efficiency Neutron Counter (HENC)
Nondestructive Assay - Tomographic Gamma Scanner (TGS)
Sampling Process Design
Sample Handling and Custody Requirements
Sampling of Homogeneous Solids
Total Volatile Organic Compound Analysis
Total Semi-Volatile Organic Compound Analysis
Total Metal Analysis
Packaging of Newly Generated Waste
Data Validation, Usability, and Reporting

Governing Documents/Requirements:

Adequacy evaluations of LANL TWCP documents will be based on the current revisions of the following documents:

CAO QAPD, CAO-94-1012

Transuranic Waste Characterization QAPP,
CAO-94-1010, Revision 0 with Interim Change Notice

Transuranic Waste Characterization Sampling and Analysis Methods Manual,
DOE/WIPP-91-043, Revision 1.0

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

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, TWCP PLAN-0.2.4-001

Related LANL technical and quality assurance implementing procedures

Schedule of Audit Activities:

A pre-audit conference is scheduled for Monday, June 14, at 8:00 a.m. in the CST Division Office Conference Room (Area TA-48, Building RC-29, Room 118).

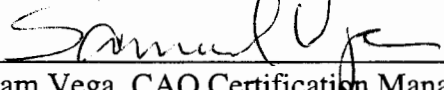
Daily audit team caucuses will be held at 4:00 p.m. Monday through Thursday in the CST Division Office Conference Room (Area TA-48, Building RC-29, Room 118).

The audit team will meet with the appropriate LANL management at 8:30 a.m. each day (Tuesday through Friday) in the CST Division Office Conference Room (Area TA-48, Building RC-29, Room 118).


A post-audit conference is scheduled for Friday, June 18, at 2:00 p.m. in the CST Division Office Conference Room (Area TA-48, Building RC-29, Room 118).

Prepared By: 
John Ptacek, Audit Team Leader

Date: 5/27/99

Approved By: 
Sam Vega, CAO Certification Manager

Date: 5/26/99

Approved By: 
Marc Italiano, CAO QA Manager

Date: 5/26/99