OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

QUALITY ASSURANCE AUDIT PLAN

FOR AUDIT NO. YMP-92-19, REVISION 1

OF

LOS ALAMOS NATIONAL LABORATORY

LOS ALAMOS, NEW MEXICO

JULY 7 THROUGH 11, 1992

Prepared by: _____ Date: 6-19-92
John S. Martin
Audit Team Leader
Yucca Mountain Quality Assurance Division

Approved by: R.E. Spence Date: 6/23/92
Donald G. Horton
Director
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1.0 SCOPE

This limited scope audit will evaluate the Los Alamos National Laboratory (Los Alamos) Quality Assurance (QA) Program to determine whether it meets the requirements and commitments imposed by the Office of Civilian Radioactive Waste Management (OCRWM). This will be done by verifying implementation and effectiveness of the system in place, as well as verifying compliance with requirements.

A representative sample of discrepancies identified during previous QA audits and surveillances of Los Alamos will be included in the scope of this audit to determine the effectiveness of Los Alamos corrective actions. The status of corrective action implementation concerning open Corrective Action Requests will also be reviewed.

The programmatic elements and technical areas to be audited, as well as those programmatic elements not included in this audit, are identified in Section 4.0 of this plan.

2.0 AUDIT SCHEDULE

Pre-Audit Team/Observer Meeting	8:30 a.m., July 7, 1992 Los Alamos, New Mexico
Pre-Audit Conference	9:00 a.m., July 7, 1992 Los Alamos, New Mexico
Audit Activities	10:00 to 4:00 p.m. July 7, 1992
	8:30 a.m. to 4:00 p.m. July 8 - 9, 1992
	8:30 a.m. to 2:00 p.m. July 10, 1992
Post-Audit Conference	3:00 p.m., July 10, 1992 Los Alamos, New Mexico

There will be daily audit team/observer meetings starting at 4:00 p.m. and daily audit team/observer/Los Alamos meetings starting at 8:00 a.m. to discuss potential deficiencies and establish needed liaison.

3.0 REQUIREMENTS TO BE AUDITED AND APPLICABLE REFERENCES

The requirements to be audited will be contained in the programmatic checklists. These checklists will be developed from the latest revision of the following documents:

- o Los Alamos Quality Assurance Program Plan and implementing procedures
- o Yucca Mountain Site Characterization Project Office Administrative Procedures - Quality

The conduct of the audit will be guided by the documents (latest revision) listed below:

- o Quality Assurance Administrative Procedure (QAAP) 18.2, Revision 5, "Audit Program"
- o QAAP 16.1, Revision 4, "Corrective Action Requests"
- o Yucca Mountain Site Characterization Project Audit Observer Inquiry

4.0 ACTIVITIES TO BE AUDITED

Programmatic Elements

Los Alamos activities associated with the following QA Program elements will be audited:

1.0 Organization
2.0 Quality Assurance Program
8.0 Identification and Control of Samples and Data (Identification and control of data only)
13.0 Handling, Storage, and Shipping
15.0 Control of Nonconformances
16.0 Corrective Action
18.0 Audits

In addition, the programmatic controls applied to the control of geochemistry software (EG 3/6) developed by LLNL will be audited.

Programmatic Element 11.0, Testing, was considered during development of this audit scope and determined to be not applicable, since Los Alamos has no current activities for which this element applies.

If the audit team identifies a need to verify additional programmatic or technical areas during the audit, they will be added to the audit checklists and verified accordingly.

5.0 AUDIT TEAM MEMBERS

John S. Martin, Science Applications International Corporation (SAIC)/Yucca Mountain Quality Assurance Division (YMQAD), Las Vegas, Nevada, Audit Team Leader
Sandra D. Bates, SAIC/YMQAD, Las Vegas, Nevada, Auditor
Mario Diaz, U.S. Department of Energy/YMQAD, Las Vegas, Nevada, Auditor
Richard L. Maudlin, MAC Technical Services/YMQAD, Las Vegas, Nevada, Auditor