

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

QUALITY ASSURANCE AUDIT PLAN

FOR

AUDIT YMP-92-05

OF

LAWRENCE LIVERMORE NATIONAL LABORATORY

LIVERMORE, CALIFORNIA

DECEMBER 3 THROUGH DECEMBER 5, 1991

Prepared by: Richard L. Maudlin
Richard L. Maudlin
Audit Team Leader

Date: 10-29-91

Approved by: D. G. Horton For
Donald G. Horton
Director
Office of Quality Assurance

Date: 10/31/91

1.0 SCOPE

Audit YMP-92-05 is a limited scope audit that will evaluate the effectiveness of the Lawrence Livermore National Laboratory (LLNL) Quality Assurance (QA) program in meeting the requirements and commitments imposed by the Office of Civilian Radioactive Waste Management. This will be done by evaluating the implementation and effectiveness of the QA program elements identified in Section 4 of this plan. In addition, verification of corrective action(s) to open Project Office identified deficiencies will be evaluated and, if found to be satisfactory, will be closed.

2.0 AUDIT SCHEDULE

Pre-Audit Conferences	9:00 a.m. December 3, 1991
Audit Activities	9:30 a.m. - 4:00 p.m. December 3, 1991
	8:00 a.m. - 4:00 p.m. December 4, 1991
	8:00 a.m. - 10:00 a.m. December 5, 1991
Daily Team Debriefing	4:30 p.m. - 5:30 p.m. December 3 and 4, 1991 Doubletree Hotel
Post-Audit Conference	11:00 a.m. December 5, 1991

3.0 REQUIREMENTS TO BE AUDITED AND APPLICABLE REFERENCES

LLNL Quality Assurance Program Plan, Latest Revision

LLNL Quality Procedures and applicable Yucca Mountain Project Administrative Procedures (Quality)

The audit will be conducted in accordance with the Department of Energy (DOE) documents listed below:

OCRWM QAAP 18.2, Revision 4, Audit Program

OCRWM QAAP 16.1, Revision 3, Corrective Action Request

Audit Observer Inquiry

Policy for Participation of State, Tribal, and NRC Representatives as Observers on DOE Audits, dated July 14, 1987

HLW Division Procedure for Conducting Observation Audits of DOE High Level Waste Repository Program QA Audits

4.0 ACTIVITIES TO BE AUDITED

Programmatic Elements

- 1.0 Organization
- 2.0 Quality Assurance Program
- 11.0 Test Control
- 15.0 Nonconformances
- 16.0 Corrective Action
- 18.0 Audits

5.0 AUDIT TEAM MEMBERS

Richard L. Maudlin, Audit Team Leader, MAC Technical Services Co.,
Las Vegas, Nevada

Mario R. Diaz, Auditor, U.S. Department of Energy, Las Vegas, Nevada

A. Edward Cöckers, Auditor, MAC Technical Services Co., Las Vegas, Nevada

Richard L. Weeks, Auditor, Science Applications International Corporation,
Las Vegas, Nevada

6.0 AUDIT CHECKLISTS

The following checklist will be used to facilitate this audit:

92-05-1 Programmatic Checklist