

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

QUALITY ASSURANCE AUDIT PLAN

FOR AUDIT NO. YMP-92-17

OF

REYNOLDS ELECTRICAL AND ENGINEERING COMPANY, INC.

LAS VEGAS, NEVADA

JUNE 8 THROUGH 12, 1992

Prepared by: Amelia I. Arceo Date: 5/5/92
Amelia I. Arceo
Audit Team Leader
Yucca Mountain Quality Assurance Division

Approved by: D. G. Horton Date: 5/11/92
Donald G. Horton
Director
Office of Quality Assurance

1.0 SCOPE

The purpose of this audit is to evaluate the Reynolds Electrical and Engineering Company, Inc. (REECo) Quality Assurance (QA) Program to determine whether it meets the requirements and commitments imposed by the Office of Civilian Radioactive Waste Management. This will be accomplished by verifying implementation and effectiveness of the system in place, as well as verifying compliance with requirements.

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/Observers Meeting	8:00 a.m., June 8, 1992 Las Vegas, Nevada
Pre-Audit Conference	9:00 a.m., June 8, 1992 Las Vegas, Nevada
Audit Activities	10:00 a.m. to 4:00 p.m.* June 8, 1992 Las Vegas, Nevada
	8:30 a.m. to 4:00 p.m.* June 9 - 11, 1992 Las Vegas, Nevada
Post-Audit Conference	10:00 a.m., June 12, 1992 Las Vegas, Nevada

- * There will be daily audit team/observer meetings starting at 4:00 p.m. and daily audit team/observer/REECo management 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 and/or marked-up procedures. These checklists will be developed from the latest available revision of the following documents:

- o REECO Quality Assurance Program Plan (QAPP), 568-DOC-115, Revision 8, QAPPCN No. 92-02, and implementing procedures

- o Yucca Mountain Site Characterization Project Office Administrative Procedures-Quality

The conduct of the audit will be guided by the documents listed below:

- o Quality Assurance Administrative Procedure (QAAP) 18.2, Revision 5, "Audit Program"
- o QAAP 16.1, Revision 4, "Corrective Action Requests"

4.0 ACTIVITIES TO BE AUDITED

Programmatic Elements: REECO activities associated with the following QA Program elements will be audited:

- 1.0 Organization
- 2.0 Quality Assurance Program
- 15.0 Control of Nonconforming Items
- 16.0 Corrective Action
- 18.0 Audits

The following programmatic element was considered during development of this audit scope and determined to be not applicable since REECO has no activities for which this element applies:

11.0 Test Control

Other programmatic elements were covered in previous audits during the Fiscal Year 1992. These previous audits indicated that there were either no implementation or insufficient implementation to determine program effectiveness for the following QA Program elements:

- 4.0 Procurement Document Control
- 7.0 Control of Purchased Items and Services
- 8.0 Identification and Control of Materials, Parts, and Components
- 13.0 Handling, Storage and Shipping

The status of the above QA Program elements will be checked during this audit. If there has been sufficient activity since the last audit, these program elements will be audited.

5.0 AUDIT TEAM MEMBERS

Amelia I. Arceo, Audit Team Leader, Science Applications International Corporation
(SAIC)/Yucca Mountain Quality Assurance Division (YMQAD), Las Vegas, Nevada
Robert H. Klemens, Auditor, SAIC/YMQAD, Las Vegas, Nevada
Frank J. Kratzinger, Auditor, SAIC/YMQAD, Las Vegas, Nevada

6.0 AUDIT CHECKLIST

YMP-92-17 Programmatic Audit Checklist