

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

QUALITY ASSURANCE AUDIT PLAN

FOR AUDIT NO. YMP-92-06

OF

RAYTHEON SERVICES NEVADA

LAS VEGAS, NEVADA

DECEMBER 16 THROUGH DECEMBER 19, 1991

Prepared by:



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Audit Team Leader
Yucca Mountain Quality Assurance Division

Date: 10-24-91

Approved by:



Donald G. Horton
Director
Office of Quality Assurance

Date: 11/4/91

1.0 SCOPE

This audit will evaluate the Raytheon Services Nevada (RSN) 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 audits and surveillances of RSN will be included in the scope of this audit to determine the effectiveness of RSN 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 5.0 of this plan.

2.0 ORGANIZATION TO BE AUDITED

Raytheon Services Nevada, Las Vegas, Nevada

3.0 AUDIT SCHEDULE

Pre-Audit Team/Observers Meeting	8:00 a.m., December 16, 1991, Las Vegas, Nevada *
Pre-Audit Conference	8:30 a.m., December 16, 1991, Las Vegas, Nevada
Audit Activities	9:00 a.m. to 4:00 p.m., ** December 16, 1991
Audit Activities	8:00 a.m. to 4:00 p.m.,** December 17 through 18, 1991
Post-Audit Conference	10:00 a.m., December 19, 1991 Las Vegas, Nevada

* Pre-Audit Team/Observers Meeting will be held at the DOE facilities in Las Vegas, Nevada.

** There will be daily audit team/observer meetings starting at 4:15 p.m. and daily audit team/observer/RSN management meetings starting at 8:00 a.m. to discuss potential deficiencies and establish needed liaison.

4.0 REQUIREMENTS TO BE AUDITED AND APPLICABLE REFERENCES

The requirements to be audited will be contained in the pre-approved programmatic and technical checklists. These checklists will be developed from the latest available revision of the following documents:

- o RSN Quality Assurance Program Description and applicable implementing procedures
- o Applicable 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 4, "Audit Program"
- o QAAP 16.1, Revision 3, "Corrective Action Requests"
- o Yucca Mountain Site Characterization Project Audit Observer Inquiry
- o Policy for Participation of State, Tribal and U.S. Nuclear Regulatory Commission Representatives as Observers on U.S. Department of Energy Audits, dated July 14, 1987

5.0 ACTIVITIES TO BE AUDITED

Programmatic Elements:

- 4.0 Procurement Document Control
- 7.0 Control of Purchased Material, Equipment and Components
- 12.0 Control of Measuring and Test Equipment

The following programmatic elements were considered during development of this audit scope and determined to be not applicable since RSN has no activities for which these elements apply:

- 8.0 Identification and Control of Materials, Parts and Components
- 9.0 Control of Special Processes
- 10.0 Inspection
- 13.0 Handling, Storage and Shipping
- 14.0 Inspection, Test and Operating Status

Other programmatic elements will be covered in subsequent audits during the Fiscal Year 1992.

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

6.0 AUDIT TEAM MEMBERS

John S. Martin--Audit Team Leader, Science Applications International Corporation (SAIC)/Yucca Mountain Quality Assurance Division (YMQAD), Las Vegas, Nevada
Richard E. Powe--Auditor, SAIC/YMQAD, Las Vegas, Nevada