

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

QUALITY ASSURANCE AUDIT PLAN

FOR AUDIT NO. YMP-92-11


OF

RAYTHEON SERVICES NEVADA

LAS VEGAS, NEVADA

MARCH 10 THROUGH 13, 1992

Prepared by:


Frank J. Kratzinger


Audit Team Leader

Yucca Mountain Quality Assurance Division

Date:

1/21/92

Approved by:


Donald G. Horton

Director

Office of Quality Assurance

Date:

1/23/92

1.0 SCOPE

This limited scope audit, by a team of auditors from the Yucca Mountain Quality Assurance Division (YMQAD) of the Office of Quality Assurance (OQA), 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. This will be done by verifying implementation and effectiveness of the system in place, as well as verifying compliance with requirements.

In addition to a follow-up on any open Corrective Action Requests, a representative sample of discrepancies identified during previous QA audits and surveillances of RSN will be included in the scope of this audit to determine the effectiveness of RSN corrective actions.

The programmatic elements to be audited during this this limited scope audit are identified in Section 4.0 of this plan.

2.0 AUDIT SCHEDULE

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| Pre-Audit Team/Observers Meeting | 9:00 a.m., March 10, 1992, Las Vegas, Nevada |
| Pre-Audit Conference | 10:00 a.m., March 10, 1992, Las Vegas, Nevada |
| Audit Activities | 12:30 a.m. to 4:00 p.m., March 10, 1992 |
| | 8:00 a.m. to 4:00 p.m., March 11-12, 1992 |
| | 8:00 a.m. to 11:30 a.m. March 13, 1992 |
| Post-Audit Conference | 2:00 p.m., March 13, 1992 Las Vegas, Nevada |

There will be daily audit team/observer debriefing starting at 4:00 p.m. and daily audit team/observer/RSN meetings starting at 8:30 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 available revision of the following documents:

- o RSN Quality Assurance Program Description 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, "Audit Program"
- o QAAP 16.1, "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

4.0 ACTIVITIES TO BE AUDITED

Programmatic Elements:

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

Those criteria not audited during OQA audit no. YMP-92-06 due to no activity (8, 9, 10, 13, and 14) were also considered, but there has been no change in the status of these criteria.

Technical Areas

None.

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

Frank J. Kratzinger--Audit Team Leader, Science Applications International Corporation (SAIC)/Yucca Mountain Quality Assurance Division (YMQAD), Las Vegas, Nevada
A. Edward Cocoros--Auditor, MAC Technical Services Company/YMQAD, Las Vegas, Nevada
Mario R. Diaz--Auditor, U.S. Department of Energy/YMQAD, Las Vegas, Nevada
Kenneth T. McFall--Auditor, SAIC/YMQAD, Las Vegas, Nevada

6.0 AUDIT CHECKLIST

YMP-92-11-01, programmatic checklist, will be used during this audit.