OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

QUALITY ASSURANCE AUDIT PLAN

FOR AUDIT YMP-94-03

OF

RAYTHEON SERVICES NEVADA

LAS VEGAS, NEVADA

JANUARY 24 THROUGH 28, 1994

Prepared by:_____ Date: _12_/_6_/_93___
           Amelia I. Arceo
           Audit Team Leader
           Yucca Mountain Quality Assurance Division

Approved by:_____ Date:_12/7/93____
          Donald G. Horton
          Director
          Office of Quality Assurance

1.0   SCOPE

This audit, by a team of auditors from the Yucca Mountain Quality Assurance Division (YMQAD) 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.

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

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

2.0 AUDIT SCHEDULE

Pre-audit Team/Observer Meeting	8:00 a.m., January 24, 1994 Las Vegas, Nevada
Pre-audit Conference	9:00 a.m., January 24, 1994 Las Vegas, Nevada
Audit Activities	10:00 a.m. to 4:00 p.m. January 24, 1994 Las Vegas, Nevada
	8:00 a.m. to 4:00 p.m. January 25 through 27 1994
	8:00 a.m. to 11:30 a.m. January 28 1994
Daily Team Debriefing	4:00 p.m., January 25 through 27, 1994
Post-audit Conference	2:00 p.m., January 28, 1994 Las Vegas, Nevada

3.0   REQUIREMENTS TO BE AUDITED AND APPLICABLE REFERENCES

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

•   OCRWM Quality Assurance Requirements and Description document

•   RSN Implementing Procedures

•   Applicable Yucca Mountain Site Characterization Project Administrative
         Procedures (Quality)

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

•   Quality Assurance Administrative Procedure (QAAP) 18.2, "Audit Program"
•   QAAP 16.1, "Corrective Action"

4.0   ACTIVITIES TO BE AUDITED

Programmatic Elements

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

     1.0   Organization
     2.0   Quality Assurance Program
     3.0   Design Control
     4.0   Procurement Document Control
     5.0   Implementing Procedures
     6.0   Document Control
     7.0   Control of Purchased Items and Services
    10.0   Inspection
    11.0   Test Control
    12.0   Control of Measuring and Test Equipment
    14.0   Inspection, Test and Operating Status
    15.0   Nonconformances
    16.0   Corrective Action
    17.0   Quality Assurance Records
    18.0   Audits
Supplement I, Computer Software
Supplement II, Sample Control
Supplement IV, Field Surveying

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 Items
    9.0 Control of Processes
  13.0 Handling, Storage, and Shipping
Supplement III, Scientific Investigation

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

Technical Elements

None

5.0 AUDIT TEAM MEMBERS

Amelia I. Arceo, YMQAD, Las Vegas, Nevada, Audit Team Leader
Sandra D. Bates, YMQAD, Las Vegas, Nevada, Auditor
Raul A. Hinojosa, YMQAD, Las Vegas, Nevada, Auditor
John R. Matras, YMQAD, Las Vegas, Nevada, Auditor
Kenneth T. McFall, YMQAD, Las Vegas, Nevada, Auditor
Thomas E. Rodgers, YMQAD, Las Vegas, Nevada, Auditor
Richard L. Weeks, YMQAD, Las Vegas, Nevada, Auditor

6.0 AUDIT CHECKLISTS

YMP-94-03-01, Programmatic Checklist, will be used during the programmatic portions of this audit.