OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

QUALITY ASSURANCE AUDIT PLAN

FOR AUDIT NO. YMP-92-20

OF

UNITED STATES GEOLOGICAL SURVEY

DENVER, COLORADO

JULY 28 THROUGH 31, 1992

Prepared by: Neil D. Cox Date: 6/1/92
Neil D. Cox
Audit Team Leader
Yucca Mountain Quality Assurance Division

Approved by: R. E. Spence For Date: 6/8/92
Donald G. Horton
Director
Office of Quality Assurance

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PDR WASTE
WM-11 PDR

1.0 SCOPE

This limited scope audit, by a team of auditors from the Yucca Mountain Quality Assurance Division (YMQAD), will evaluate the U.S. Geological Survey (USGS) 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 the follow-up on open Corrective Action Requests (CARs), a representative sample of discrepancies identified during previous QA audits and surveillances of USGS will be included in the scope of this audit to determine the effectiveness of USGS corrective actions.

The programmatic elements 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	8:30 a.m., July 28, 1992 Denver, Colorado
Pre-Audit Conference	9:00 a.m., July 28, 1992 Denver, Colorado
Audit Activities	10:00 a.m. to 4:00 p.m. July 28, 1992
Audit Activities	8:15 a.m. to 4:00 p.m. July 29, 1992
Audit Activities	8:15 a.m. to 11:00 a.m. July 30, 1992
Post-Audit Conference	1:00 p.m., July 30, 1992 Denver, Colorado

There will be daily YMQAD audit team/observer caucus meetings starting at 4:15 p.m. and also daily Audit Team Leader/observer/USGS meetings starting at 8:15 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 USGS Quality Assurance Program Description Document and implementing procedures
- o Applicable Yucca Mountain Site Characterization Project Office Administrative Procedures-Quality
- o Quality Assurance Grading Reports for United States Geological Survey, Volume 1, Revision 19, YMP/90-79, October 28, 1991

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

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

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

- 9.0 Control of Processes
- 10.0 Inspection
- 14.0 Inspection, Test, and Operating Status

In addition to the above stated program elements, Program Element 2.0, Quality Assurance Program, will undergo a limited examination to verify compliance with the requirements imposed by the U.S. Department of Energy System 80, as stated in a letter from Carl P. Gertz, YMP:CLC-511.

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 Areas

None.

5.0 AUDIT TEAM MEMBERS

Neil D. Cox, Audit Team Leader, Science Applications International Corporation (SAIC)/YMQAD, Las Vegas, Nevada
Amy I. Arceo, Auditor, SAIC/YMQAD, Las Vegas, Nevada
Donald J. Harris, Auditor, SAIC/YMQAD, Las Vegas, Nevada
Cynthia H. Prater, Auditor, SAIC/YMQAD, Las Vegas, Nevada

6.0 AUDIT CHECKLIST

YMP-92-20-01, Programmatic Checklist, will be used during this audit.