

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENTQUALITY ASSURANCE AUDIT PLANFORAUDIT NUMBER YMP-92-08OFSCIENCE APPLICATIONS INTERNATIONAL CORPORATIONLAS VEGAS, NEVADAJANUARY 27 THROUGH 30, 1992

Prepared by:

Robert B. ConstableRobert B. Constable
Audit Team Leader

Date:

12-18-91

Approved by:

D. G. HortonDonald G. Horton
Director
Office of Quality Assurance

Date:

12/20/91

ENCLOSURE

1.0 SCOPE

This limited scope audit will evaluate the effectiveness of the Science Applications International Corporation (SAIC) Quality Assurance (QA) program in meeting 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 surveillance of SAIC will be included in the scope of this audit to determine the effectiveness of SAIC corrective actions.

The programmatic elements to be audited, as well as, the programmatic element not included in this audit, are identified in Section 4.0 of this plan.

2.0 AUDIT SCHEDULE

Pre-audit Team/Observer Meeting

8:00 a.m.
January 27, 1992

Pre-audit Conference

9:00 a.m.
January 27, 1992

Audit Activities

9:30 a.m. - 4:00 p.m.
January 27, 1992

8:00 a.m. - 4:00 p.m.
January 28 - 29, 1992

8:00 a.m. - 11:30 a.m.
January 30, 1992

Daily Team Debriefing

4:00 p.m. - 5:00 p.m.
January 27 - 29, 1992

Post-audit Conference

2:00 p.m.
January 30, 1992

3.0 REQUIREMENTS TO BE AUDITED AND APPLICABLE REFERENCES

The requirements to be audited will be contained in the pre-approved programmatic checklist. The checklist will be developed from the latest revision of the following documents:

- o Technical and Management Support Services (T&MSS) Quality Assurance Program Description
- o T&MSS Organization Procedures
- o T&MSS Standard Practice Procedures
- o T&MSS Work Instructions
- o Applicable Yucca Mountain Project Administrative Procedures (Quality)

The audit will be conducted in accordance with the U.S. Department of Energy (DOE) documents listed below:

- o OCRWM Quality Assurance Administrative Procedure (QAAP) 18.2, Revision 4, "Audit Program"
- o OCRWM QAAP 16.1, Revision 4, "Corrective Action"
- o Audit Observer Inquiry
- o Policy for Participation of State, Tribal, and U.S. Nuclear Regulatory Commission Representatives as Observers on DOE Audits, dated July 14, 1987
- o High Level Waste Division Procedure for Conducting Observation Audits of DOE High Level Waste Repository Program QA Audits

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 Items, Samples, and Data
- 10.0 Inspection
- 12.0 Control of Measuring and Test Equipment
- 13.0 Handling, Storage, and Shipping
- 14.0 Inspection, Test, and Operating Status

As defined by the Audit Schedule, Programmatic Element 9.0 would normally be audited at this time; however, SAIC excludes implementation of this element based on their scope of work.

5.0 AUDIT TEAM MEMBERS

Robert B. Constable, Audit Team Leader, DOE/Yucca Mountain Quality Assurance Division (YMQAD)

A. Edward Cocoros, Auditor, MAC Technical Services Company/YMQAD

Mario R. Diaz, Auditor, DOE/YMQAD

Albert C. Williams, Auditor, DOE/YMQAD

6.0 AUDIT CHECKLISTS

The following checklist will be used to conduct the audit:

92-08-1 Programmatic Checklist