

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

QUALITY ASSURANCE AUDIT PLAN

FOR AUDIT YM-ARP-95-05

OF

**SCIENCE APPLICATIONS INTERNATIONAL CORPORATION
TECHNICAL AND MANAGEMENT SUPPORT SERVICES**

LAS VEGAS, NEVADA AND THE NEVADA TEST SITE

DECEMBER 12 THROUGH 16, 1994

Prepared by: Stephen R. Maslar Date: 11/10/94
Stephen R. Maslar
Audit Team Leader
Yucca Mountain Quality Assurance Division

Approved by: Catherine Hampton for Date: 11/10/94
Donald G. Horton
Director
Office of Quality Assurance

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ENCLOSURE

1.0 SCOPE

This performance based audit of Science Applications International Corporation/Technical and Management Support Services (SAIC/T&MSS) will be a limited scope audit to be performed by a team of auditors from the Yucca Mountain Quality Assurance Division (YMQAD). The audit team will evaluate the effectiveness of selected processes, and the quality of the resultant end products identified in Section 4.0 of this plan associated with SAIC/T&MSS activities performed under Quality Assurance (QA) Program Elements 2.0 "QA Programs," 4.0 "Procurement Document Control," 7.0 "Control of Purchased Items and Services," 12.0 "Control of Measuring and Test Equipment," and applicable QA program elements based on the work scope involved.

2.0 AUDIT SCHEDULE

Pre-audit Team/Observer Meeting	8:00 a.m., December 12, 1994 Las Vegas, Nevada
Pre-audit Conference	9:00 a.m., December 12, 1994 Las Vegas, Nevada
Audit Activities	10:00 a.m. to 4:00 p.m. December 12, 1994 Las Vegas, Nevada
	8:00 a.m. to 4:00 p.m. December 13 through 15, 1994 Las Vegas, Nevada and Nevada Test Site
	8:00 a.m. to 11:30 a.m. December 16, 1994 Las Vegas, Nevada
Post-audit Conference	2:00 p.m., December 16, 1994 Las Vegas, Nevada

There will be a daily Audit Team/Observer meeting at 4:00 p.m. and also a daily Audit Team Leader (ATL)/Observer/SAIC/T&MSS meeting 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 a performance based checklist. This checklist will be developed from the latest available revision of SAIC/T&MSS approved and issued QA program procedures applicable to selected activities.

The conduct of the audit will be guided by the documents (latest revision) listed below:

- Quality Assurance Procedure (QAP) 18.2, "Audit Program"
- QAP 16.1, "Corrective Action"

4.0 ACTIVITIES TO BE AUDITED

The audit team will evaluate the procurement process and controls on the measuring and test equipment used to support the following activities in meeting program requirements, management commitments, and expectations:

- 1) Meteorology Program.
- 2) Monitoring conditions in population centers relative to wind patterns.

In conjunction with the above activities, the requirements of QA Program Elements 2.0, 4.0, 7.0, and 12.0 will be evaluated.

The evaluation of process effectiveness and product acceptability will be based upon:

- 1) Proper actions associated with procurement of items and services for the above activities;
- 2) Use of trained and qualified personnel working effectively in the procurement process and controls on the measuring and test equipment;
- 3) Documentation that substantiates quality of the procured items and services associated with the measuring and test equipment; and
- 4) Acceptable results and quality of the final product.

5.0 AUDIT TEAM MEMBERS

Stephen R. Maslar, YMQAD, Las Vegas, Nevada, ATL
Raul A. Hinojosa, YMQAD, Las Vegas, Nevada, Auditor
To be Determined, Technical Specialist

6.0 AUDIT CHECKLISTS

The following checklist will be used during the audit:

YM-ARP-95-05-01, Performance Based Checklist

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