



Department of Energy
Washington, DC 20585

OCT 15 1990

WBS 1.2.9.3
QA

John H. Nelson
Technical Project Officer
Science Applications International
Corporation
101 Convention Center Dr.
Suite 407
Las Vegas, NV 89109

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT (OCRWM) QUALITY ASSURANCE
(QA) QUALIFICATION AUDIT 90-08 OF SCIENCE APPLICATIONS INTERNATIONAL
CORPORATION (SAIC) SUPPORT OF THE YUCCA MOUNTAIN PROJECT

Please be advised that a team from OCRWM, Office of Quality Assurance, will conduct a QA qualification audit of the SAIC QA Program and implementation, where possible, during the period November 13 through November 19, 1990. Current plans will be for the audit team to hold a pre-audit conference on Tuesday, November 13, 1990, beginning at 9:00 a.m., at your facilities in Las Vegas, Nevada. Please arrange for the appropriate SAIC personnel to attend the meeting. The preliminary post-audit conference is tentatively scheduled for 3:00 p.m. on Monday, November 19, 1990. I would like to request that you make the necessary arrangements for the locations where the pre-audit and post-audit conferences are to be held and notify me within 10 days prior to the date of the pre-audit conference.

The audit will focus on the following areas:

QA PROGRAM ELEMENTS

- 1.0 Organization
- 2.0 Quality Assurance Program
- 4.0 Procurement Document Control
- 5.0 Instructions, Procedures, Plans, and Drawings
- 6.0 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, Shipping, and Storage
- 15.0 Control of Nonconforming Items
- 16.0 Corrective Action
- 17.0 Quality Assurance Records
- 18.0 Audits
- 19.0 Software Quality Assurance
- 20.0 Scientific Investigation Control

9011090117 901015
FOR WASTE
WM-11 FDC

ADD: B. Beike

1/1
102.7
Wm-11
NH03

John H. Nelson

-2-

The audit of implementation will be primarily based upon the current revision of your implementing procedures and/or the procedures that were in effect when the activity was performed.

TECHNICAL AREAS

Technical specialist will review and evaluate the technical activities based on the following:

- o Metrological Monitoring Plan, Revision 1, June 5, 1989
- o Radiological Monitoring Plan, Revision 0, May 25, 1988

In addition, the technical specialists will evaluate the above activities to determine adequacy in the following areas:

1. Technical Qualifications of scientific personnel
2. Understanding of procedural requirements as they pertain to scientific investigation activities
3. Adequacy of Technical Procedures
4. Development of Study Plans, work supporting the Site Characterization Plan, as applicable, and any related work products.

If the audit team identifies a need to verify additional programmatic or technical areas during the audit, they will be added to the audit checklist(s) and verified accordingly.

The audit team will consist of:

<u>NAME</u>	<u>ORGANIZATION</u>	<u>TITLE</u>
Richard L. Maudlin	MACTEC, Las Vegas, Nevada	Audit Team Leader
A. Edward Cocoros	MACTEC, Las Vegas, Nevada	Auditor
Kerby L. Tyger	MACTEC, Las Vegas, Nevada	Auditor
Charles C. Warren	MACTEC, Las Vegas, Nevada	Auditor
Robert B. Constable	YMP, Las Vegas, Nevada	Auditor
Mario R. Diaz	YMP, Las Vegas, Nevada	Auditor
Catherine E. Hampton	YMP, Las Vegas, Nevada	Auditor
Albert C. Williams	YMP, Las Vegas, Nevada	Auditor
Thomas Rogers	CER Corp., Arlington, Virginia	Auditor-In-Training
Sam Smith	Weston, Arlington, Virginia	Auditor-In-Training
Diane Harrison-Giesler	YMP, Las Vegas, Nevada	Technical Specialist
Bryon T. Kesner	MACTEC, Albuquerque, New Mexico	Technical Specialist

John H. Nelson

-3-

Observers from the state of Nevada, U.S. Nuclear Regulatory Commission, U.S. Department of Energy Headquarters, or other interested parties may also accompany the team. You will be notified of these observers prior to the audit.

If you have any questions, please contact James Blaylock at (702) 794-7913 or FTS 544-7913 or Richard L. Maudlin at (702) 794-7290 or FTS 544-7290 of the Project Office QA staff.



Donald G. Horton, Acting Director
Office of Quality Assurance

Enclosure:
Audit Plan 90-08

cc w/encl:

D. E. Shelor, HQ (RW-3) FORS
 J. W. Gilray, NRC, Las Vegas, NV
 K. R. Hooks, NRC, Washington, DC ←
 R. R. Loux, NWPO, Carson City, NV
 S. W. Zimmerman, NWPO, Carson City, NV
 Englebrecht Tiesenhausen, Clark County, Las Vegas, NV
 Stephen Bradhurst, Nye County, NV
 M. J. Regenda, FSN, Las Vegas, NV
 C. O. Wright, H&N, Las Vegas, NV
 H. P. Nunes, LANL, Los Alamos, NM
 D. W. Short, LLNL, Livermore, CA
 J. H. Rusk, MACTEC, Las Vegas, NV
 M. A. Fox, REECO, Las Vegas, NV
 R. R. Richards, SNL, 6310, Albuquerque, NM
 J. B. Harper, SAIC, Las Vegas, NV, 517/T-38
 C. H. Prater, SAIC, Las Vegas, NV, 517/T-06
 D. H. Appel, USGS, Denver, CO