

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

OFFICE OF QUALITY ASSURANCE

AUDIT PLAN FOR AUDIT YMSCO-ARC-97-22

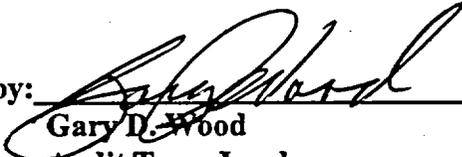
OF THE

YUCCA MOUNTAIN SITE CHARACTERIZATION OFFICE

LAS VEGAS, NEVADA

JULY 28 THROUGH AUGUST 1, 1997

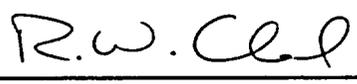
Prepared by:


Gary D. Wood
Audit Team Leader
Office of Quality Assurance

Date:

6/25/97

Approved by:


For Donald G. Horton
Director
Office of Quality Assurance

Date:

6/27/97

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PDR WASTE
WM-11 PDR

Enclosure

1.0 SCOPE

This full scope audit will include work done by the Yucca Mountain Site Characterization Office (YMSCO) from July 31, 1996, through the dates of the audit. The audit will address YMSCO compliance in implementing the Quality Assurance (QA) Program documented in DOE/RW-0333P, Office of Civilian Radioactive Waste Management (OCRWM) Quality Assurance Requirements and Description.

The programmatic elements to be audited, as well as these programmatic elements not currently implemented, are identified in Section 4.0 of the plan.

Follow up on open Corrective Action Requests and other deficiency documents and a sample of closed deficiencies identified during previous QA audits and surveillances will be included in the scope of this audit to determine the effectiveness of YMSCO corrective actions.

2.0 AUDIT SCHEDULE

Pre-audit Team/Observer Meeting	8:00 a.m. July 28, 1997 Las Vegas, Nevada
Pre-audit Conference	9:00 a.m. July 28, 1997 Las Vegas, Nevada
Audit Activities	10:00 a.m. to 4:00 p.m. July 28, 1997 Las Vegas, Nevada
	8:00 a.m. to 4:00 p.m. July 29 through July 31, 1997
	8:00 a.m. to 11:30 a.m. August 1, 1997
Post-audit Conference	2:00 p.m. August 1, 1997 Las Vegas, Nevada

There will be a daily Audit Team/Observer Meeting at 4:00 p.m. to review audit progress and beginning Tuesday, July 29, 1997, a Management Briefing at 8:30 a.m. to discuss audit team concerns and potential deficiencies, and to coordinate audit team activities.

3.0 REQUIREMENTS TO BE AUDITED AND APPLICABLE REFERENCES

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

- OCRWM *Quality Assurance Requirements and Description (QARD)*
- OCRWM *Quality Assurance Procedures (QAP)*
- OCRWM, YMSCO *Administrative Procedures (AP, YAP)*
- YMSCO *Line Procedures (YLP)*

The latest revisions of the documents listed below will provide the guidelines for conduct of the audit:

- Administrative Procedure (AP)-16.1Q, *Performance/Deficiency Reporting*
- Administrative Procedure (AP)-16.2Q, *Corrective Action and Stop Work*
- Quality Assurance Procedure (QAP) 18.2, *Internal Audit Program*

4.0 ACTIVITIES TO BE AUDITED

YMSCO activities and documentation will be audited at the Las Vegas, Nevada, offices, including activities at the Yucca Mountain site, associated with the following QA program requirements:

- 1.0 Organization
- 2.0 Quality Assurance Program
- 3.0 Design Control
- 4.0 Procurement Document Control
- 5.0 Implementing Documents
- 6.0 Document Control
- 7.0 Control of Purchased Items and Services
- 11.0 Test Control
- 12.0 Control of Measuring and Test Equipment
- 13.0 Handling, Storage, and Shipping
- 15.0 Nonconformances
- 16.0 Corrective Action
- 17.0 Quality Assurance Records
- 18.0 Audits
- Supplement I Software
- Supplement II Sample Control
- Supplement III Scientific Investigation
- Supplement IV Field Surveying
- Supplement V Control of the Electronic Management of Data
- Appendix C Mined Geologic Disposal System

The following QA program elements were considered during planning for the audit but were determined to be not applicable to the work performed by YMSCO.

8.0 Identification and Control of Items
9.0 Control of Special Processes
10.0 Inspection
14.0 Inspection, Test and Operating Status
Appendix A High-Level Waste Form Production
Appendix B Storage and Transportation

5.0 AUDIT TEAM MEMBERS

The audit team will include the following individuals:

Gary D. Wood	OQA, Washington, D.C.	Audit Team Leader
Charles C. Warren	OQA, Las Vegas, NV	Auditor
James F. Graff	OQA, Albuquerque, NM	Auditor
Lawrence W. McGrath	OQA, Las Vegas, NV	Auditor
Richard A. Kettell	OQA, Las Vegas, NV	Auditor
James M. Ziemba	OQA, Berkeley, CA	Auditor
William J. Glasser	OQA, Las Vegas, NV	Auditor

Observers from the State of Nevada, the Nuclear Regulatory Commission, and other interested parties will be invited to participate.

6.0 AUDIT CHECKLISTS

The audit will be conducted using YMSCO-ARC-97-22-1 programmatic checklist developed from the QARD and implementing procedures.