

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

QUALITY ASSURANCE AUDIT PLAN

FOR AUDIT YM-ARC-96-03

OF

THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM
MANAGEMENT AND OPERATING CONTRACTOR

AT

KIEWIT/PARSONS BRINCKERHOFF

LAS VEGAS, NEVADA

NOVEMBER 13 THROUGH NOVEMBER 17, 1995

Prepared by: Charles C. Weimer Jr. Date: 10-5-95
John S. Martin
Audit Team Leader
Yucca Mountain Quality Assurance Division

Approved by: Donald G. Horton Date: 10-6-95
Donald G. Horton
Director
Office Quality Assurance

1.0 SCOPE

This full scope audit, to be performed by a team of auditors from the Yucca Mountain Quality Assurance Division (YMQAD), will be conducted to evaluate implementation of the Civilian Radioactive Waste Management System Management and Operating (CRWMS M&O) Contractor's Quality Assurance (QA) Program for Kiewit/Parsons Brinckerhoff (Kiewit/PB) to determine whether it meets the requirements and commitments imposed by the Office of Civilian Radioactive Waste Management (OCRWM). This will be done by verifying implementation, adequacy, and determination of effectiveness of the QA program in place, as well as verifying compliance with requirements.

In addition, a review of the status of open OCRWM deficiency documents identified during previous surveillances of Kiewit/PB will be included in the scope of this audit to determine the status of corrective actions.

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

2.0 AUDIT SCHEDULE

Preaudit Team/Observer Meeting	8:30 a.m., November 13, 1995 Las Vegas, Nevada
Preaudit Conference	9:00 a.m., November 13, 1995 Las Vegas, Nevada
Audit Activities	10:00 a.m. - 4:00 p.m. November 13, 1995 Las Vegas, Nevada
	8:00 a.m. - 4:00 p.m. November 14 - 16, 1995
	8:00 a.m. - 11:00 a.m. November 17, 1995
Post-audit conference	2:00 p.m., November 17, 1995 Las Vegas, Nevada

There will be a daily YMQAD Audit Team/Observer meeting starting at 4:00 p.m. and also a daily Audit Team Leader (ATL)/Observer/Auditee meeting starting at 8:00 a.m. to communicate audit progress, discuss potential deficiencies, and establish needed liaison. Both daily meetings will be held at locations provided by Kiewit/PB.

3.0 REQUIREMENTS TO BE AUDITED AND APPLICABLE REFERENCES

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

- OCRWM Quality Assurance Requirements and Description (QARD) document DOE/RW-0333P
- Kiewit/PB Management Control Procedures
- Kiewit/PB Technical Control Procedures
- Kiewit/PB Quality Control Procedures
- Kiewit/PB Special Process Procedures

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

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

4.0 ACTIVITIES TO BE AUDITED

Programmatic Elements

- 1.0 Organization
 - 2.0 Quality Assurance Program
 - 4.0 Procurement Document Control
 - 5.0 Implementing Documents
 - 6.0 Document Control
 - 7.0 Control of Purchased Items and Services
 - 8.0 Identification and Control of Items
 - 9.0 Control of Special Processes
 - 10.0 Inspection
 - 11.0 Test Control
 - 12.0 Control of Measuring and Test Equipment
 - 13.0 Handling, Storage, and Shipping
 - 14.0 Inspection, Test, and Operating Status
 - 15.0 Nonconformances
 - 16.0 Corrective Action
 - 17.0 Quality Assurance Records
- Supplement IV, Field Surveying
Appendix C, Mined Geologic Disposal System

The following QA program elements were also considered during the development of this audit plan and found to be not applicable, since Kiewit/PB currently has no activities to which these elements apply:

3.0 Design Control
18.0 Audits
Supplement I, Software
Supplement II, Sample Control
Supplement III, Scientific Investigation
Appendix A, High Level Radioactive Waste Form Production
Appendix B, Storage and Transportation

If the audit team identifies a need to verify additional programmatic areas, during the audit, these areas will be added to the audit scope and evaluated accordingly.

5.0 AUDIT TEAM MEMBERS

John S. Martin, YMQAD, Las Vegas, Nevada, ATL
Stephen R. Dana, YMQAD, Las Vegas, Nevada, Auditor
Kenneth O. Gilkerson, YMQAD, Las Vegas, Nevada, Auditor
Kristi A. Hodges, YMQAD, Las Vegas, Nevada, ATL in Training
Sam H. Horton, YMQAD, Las Vegas, Nevada, Auditor
Stephen R. Maslar, YMQAD, Las Vegas, Nevada, Auditor
Mary G. McDaniel, YMQAD, Las Vegas, Nevada, Auditor
Alan W. Rabe, YMQAD, Las Vegas, Nevada, Auditor

6.0 AUDIT CHECKLIST

The following checklist will be used during the audit:

YM-ARC-96-03-01, Programmatic Checklist