

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

QUALITY ASSURANCE AUDIT PLAN

FOR AUDIT K/PB-ARC-97-06

OF THE

CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM
MANAGEMENT AND OPERATING CONTRACTOR

AT

KIEWIT/PARSONS BRINCKERHOFF

LAS VEGAS, NEVADA

NOVEMBER 18-22, 1996

Prepared by: Patrick V. Auer Date: 10-15-96
Patrick V. Auer
Audit Team Leader
Yucca Mountain Quality Assurance

Approved by: James Blayford Jr Date: 10/18/96
Donald G. Horton
Director
Office of Quality Assurance

1.0 SCOPE

This full scope audit, to be performed by a team of auditors from the U.S. Department of Energy's Office of Quality Assurance (OQA), will be conducted to evaluate implementation of the Civilian Radioactive Waste Management System Management and Operating 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 the 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 plan.

2.0 AUDIT SCHEDULE

Preaudit Team/Observer Meeting	8:00 a.m., November 18, 1996 Las Vegas, Nevada
Preaudit Conference	9:00 a.m., November 18, 1996 Las Vegas, Nevada
Audit Activities	10:00 a.m. to 3:30 p.m. November 18, 1996
	8:00 a.m. to 3:30 p.m. November 19-21, 1996
	8:00 a.m. to 11:30 a.m. November 22, 1996
Postaudit Conference	2:00 p.m., November 22, 1996 Las Vegas, Nevada

There will be a daily Audit Team/Observer meeting at 3:30 p.m. to review audit progress. Beginning Tuesday, November 19, 1996, there will also be a daily Audit Team Leader (ATL)/Observer/Kiewit/PB management meeting at 8:15 a.m. to communicate audit progress, discuss potential deficiencies, and to 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 a programmatic checklist. This checklist will be developed from the latest available revision of the following documents:

- OCRWM Quality Assurance Requirements and Description document DOE/RW-0333P
- Kiewit/PB Management Control, Quality Control, and Technical Control Procedures

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

- Quality Assurance Procedure 18.2, "Internal 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 I, Software
- 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 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 II, Sample Control
Supplement III, Scientific Investigation

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

Patrick V. Auer, OQA, Las Vegas, Nevada, ATL
Richard E. Powe, OQA, Las Vegas, Nevada, Auditor
John R. Doyle, OQA, Las Vegas, Nevada, Auditor
Stephen D. Harris, OQA, Las Vegas, Nevada, Auditor
Kristi A. Hodges, OQA, Las Vegas, Nevada, Auditor
Franklin B. Smith, OQA, Las Vegas, Nevada, Auditor

6.0 AUDIT CHECKLISTS

The following checklist will be used during the audit:

K/PB-ARC-97-06, Programmatic Checklist