



Department of Energy
Office of Civilian Radioactive Waste Management
Yucca Mountain Site Characterization Office
P.O. Box 98608
Las Vegas, NV 89193-8608

SEP 05 1996

W. E. Barnes, DOE/YMSCO, Las Vegas, NV
ATTN: J. R. Compton, DOE/YMSCO, Las Vegas, NV

REISSUANCE OF DEFICIENCY REPORT (DR) YM-96-D-065 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD) SURVEILLANCE YMP-SR-96-016

Enclosed is DR YM-96-D-065 generated as a result of YMQAD Surveillance YMP-SR-96-016. This document, though issued previously (YMQAD:RBC-2171, dated July 22, 1996), was not received by responsible individuals. As a result, this correspondence is a redistribution of that same document.

Please identify the corrective action to be taken and implemented to correct the deficiency. Send the original of your response to Deborah Sult, YMQAD/QATSS, P.O. Box 98608, Mail Stop 455, Las Vegas, Nevada 89193-8608. Response to the DR is due 20 working days from the date of this letter. Any extension to the due date must be requested in writing, with appropriate justification, prior to the due date.

If you have any questions, please contact either Robert B. Constable at (702) 794-5580 or John S. Martin at (702) 794-5591.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-2551

Enclosure:
DR YM-96-D-065

cc w/encl:

J. G. Spraul, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
Patricia Pytel, M&O, Las Vegas, NV
E. R. Cooper, DOE/YMSCO, Las Vegas, NV
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cc w/o encl:

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recip: NMSS/HLUR

OFFICE OF CIVILIAN
RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.8 ☐ Performance Report☒ Deficiency Report

NO. YM-96-D-065

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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:

QARD, DOE/RW-0333P, Revision 5

2 Related Report No.

YMP-SR-96-016

3 Responsible Organization:

Yucca Mountain Site Characterization Office

4 Discussed With:

S. Jones / K. Skipper

5 Requirement/Measurement Criteria:

QARD, Section 2.0, Paragraph 2.2.5, states in part: "Planning shall be documented to ensure work is accomplished under suitably controlled conditions. Planning elements shall include, as appropriate:

B. Identification of scientific approach or technical methods used to collect, analyze, or study results of applicable work."

QARD, Section 5.0, Paragraph 5.2.2 states: "Implementing documents shall include the following information appropriate to the work to be accomplished." Subparagraph 5.2.2B stipulates: "Technical and regulatory requirements."

6 Description of Condition:

Contrary to the above requirements, the appropriate technical requirements for the collection of core have not been specified and/or established in implementing documents. In discussion with U.S. Department of Energy Assistant Manager for Scientific Programs personnel it was determined that core orientation, photography, and geologic logging are considered standard industry practices that need to be accomplished for all core. However, in review of site procedures these technical requirements are not always mandated.

Examples of this deficiency are represented by:

- 1) Los Alamos National Laboratory (LANL) procedure LANL-EES-13-DP-612, Revision 0, fails to contain specifics on orientating core, core photography, and creation of a geologic log containing structural and lithologic features.
- 2) Civilian Radioactive Waste Management System Management and Operating Contractor procedure NWI-DS-0001Q, Revision 2, fails to identify core photograph and creation of a geologic log for non-assigned, non-allocated drill hole core.

Basically, the Project has failed to identify and document minimum set of technical requirements needed for the collection of all core when there is no special instructions identified by the Principal Investigators.

7 Initiator

John S. Martin

Date 7/2/96

9 QA Review

QAR

Date 7/10/96

10 Response Due Date:

20 Working Days From Issuance

11 QA Issuance Approval

QAR (PR)/AOQAM (DR)

Date 7/19/96

12 Remedial Actions:

13 Remedial Actions Response By:

Date

14 Remedial Action Due Date

Date

15 Remedial Action Response Acceptance

QAR

Date

16 PR Verification /Closure

QAR

Date

OFFICE OF CIVILIAN
RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.

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DEFICIENCY REPORT

17 Recommended Actions:

Investigate to determine the extent of the deficiency.

Based on the results, determine root cause of the condition.

Provide actions to preclude recurrence.

18 Investigative Actions:

19 Root Cause Determination:

20 Action to Preclude Recurrence:

21 Response By:

Date

22 Corrective Action Completion Due Date

23 Response Accepted

QAR

Date

24 Response Accepted

AOQAM

Date

25 Amended Response Accepted

QAR

Date

26 Amended Response Accepted

AOQAM

Date

27 Corrective Action Verified

QAR

Date

28 Closure Approved by:

AOQAM

Date