



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

OCT 10 1996

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Technical Project Officer
for Yucca Mountain
Site Characterization Project
TRW Environmental Safety Systems, Inc.
Bank of America Center, Suite P-110
101 Convention Center Drive
Las Vegas, NV 89198-8608

**ISSUANCE OF DR YM-96-D-103 RESULTING FROM YMQA SURVEILLANCE
YMP-SR-96-027**

Enclosed is Deficiency Report (DR) YM-96-D-103 generated as a result of Yucca Mountain Quality Assurance Surveillance YMP-SR-96-027.

Please identify the corrective action to be taken and implemented to correct the deficiency. Send the original of your response to Deborah Sult, YMQA/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 Mario R. Diaz at (702) 794-1489 or John R. Doyle at (702) 794-1465.

Richard E. Spence
Yucca Mountain Quality Assurance

YMQA:MRD-0058

Enclosure:
DR YM-96-D-103

cc w/encl:
T. A. Wood, DOE/HQ (RW-14) FORS
J. G. Spraul, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
R. L. Strickler, M&O, Vienna, VA
B. R. Justice, M&O, Las Vegas, NV
Records Processing Center

cc w/o encl:
W. L. Belke, NRC, Las Vegas, NV
J. R. Doyle, YMQA/QATSS, Las Vegas, NV
D. G. Sult, YMQA/QATSS, Las Vegas, NV
D. G. Horton, DOE/OQA, Las Vegas, NV

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PDR WASTE PDR
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recip: NMSS/PAHL

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

THIS IS A DEFICIENCY REPORT
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☒ Deficiency Report
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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:

Yucca Mountain Site Characterization Project
Administrative Procedure (YAP), -13.1Q, Revision 0

2 Related Report No.

YMP-SR-96-027

3 Responsible Organization:

Civilian Radioactive Waste Management System
Management and Operating Contractor

4 Discussed With:

Steven C. Smith, Jon M. White

5 Requirement/Measurement Criteria:

YAP-13.1Q, "Borehole Security and Access," Revision 0

1. Paragraph 5.1.1b) states: "The Requestor: completes and submits a BAR to the DOE FTC or designee for approval"
- Paragraph 5.1.2b) states: "The DOE FTC: documents the authorization of the borehole key to be issued to the Requestor and the date the requestor is required to submit a Borehole Status Report (BSR)"
- Paragraph 5.2.1a) states: "The Requestor: provides status of borehole activities to the DOE FTC by completing a BSR in accordance with format criteria described in Section 6..."
- Paragraph 5.2.1b) states: "The Requestor: submits the BSR to the DOE FTC in accordance with the schedule noted on the BAR"

(See Page 3)

6 Description of Condition:

1. A review of Borehole Access Requests (BAR) reveals that contrary to above requirements, BSRs have not been submitted as per schedules provided for the following boreholes:

Borehole	Date Authorized	Duration of Access	Status Reports Due
USW H-3, USW H-3, USW H-4 and USW H-6	5/2/95	Three Years	Quarterly
USW G3	5/2/95	Three Years	Quarterly
UE-25 NGR#5	5/2/95	Three Years	Quarterly
USW UZ-6s	5/2/95	Three Years	Quarterly
UE-25b #1	5/2/95	Three Years	Quarterly
Well J 11 and J 12	5/2/95	Three Years	Quarterly

(See Page 3)

7 Initiator

John R. Doyle *Richard L. White for*
Date 10/4/96

9 Is condition an isolated occurrence?

☐ Yes ☒ No ☐ Unknown; Must be Yes if PR

10 Recommended Actions: (Not required for PR)

- Submit required documentation in accordance with the requirements cited above.
- Conduct an evaluation to determine which Affected Organizations have obtained access to boreholes. Verify compliance to Yucca Mountain Site Characterization Project Administrative Procedure (YAP)-13.1Q. Provide a written report on the results of this evaluation including a description of corrections taken, as appropriate.

11 QA Review:

QAR John R. Doyle *Richard L. White for*
Date 10/4/96

12 Response Due Date

20 Working Days From Issuance

13 Affected Organization QA manager Issuance Approval: (QAR for PR)

Printed Name *Richard L. Spence* Signature *Richard L. Spence* Date 10/9/96

22 Corrective Action Verified

QAR Date

23 Closure Approved by: (N/A for PR)

AQAM Date

Enclosure

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PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

15 Extent of Condition: (Not required for PR)

16 Root Cause Determination: (Not required for PR)

Required

☐ Yes

☐ No

17 Action to Preclude Recurrence: (Not required for PR)

Required

☐ Yes

☐ No

18 Corrective Action Completion Due Date:

19 Response by:

☐ Initial

☐ Amended

Date

Phone

20 Response Accepted

QAR

Date

21 Response Accepted (N/A for PR):

AOQAM

Date

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PR/DR CONTINUATION PAGE

Block 5 Requirement/Measurement Criteria: (continued)

2. Paragraph 5.3.1 states: "Upon the completion of borehole activity, the Requestor:
- a) ensures that the cap is tightly secured on the borehole after each episode, and that the cap cannot be removed without unlocking
 - b) completes and signs a Borehole Completion Report (Exhibit YAP-13.1.Q.2)(BCR); and
 - c) returns the key and submits the BCR to the DOE FTC when access to the borehole is no longer required"

Block 6 Description of Condition: (continued)

2. A review of BARs reveals that contrary to the above requirements, no keys or BCRs have been submitted to the DOE FTC for the following boreholes:

Borehole	Date Authorized	Duration of Access
USW SD-9	1/25/95	4 Weeks
USW UZ-6	5/25/95	One Year
USW UZ-7a	8/22/95	One Month