



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

OCT 18 1996

L. D. Foust
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 89109

**EVALUATION OF AMENDED RESPONSE TO DR YM-96-D-087 RESULTING FROM
YMQA AUDIT YM-ARC-96-18 OF SANDIA NATIONAL LABORATORIES**

The Yucca Mountain Quality Assurance staff has evaluated the amended response to Deficiency Report YM-96-D-087. The amended response has been determined to be satisfactory. Verification of completion of the corrective action will be performed after the effective date provided. Any extension to this date must be requested in writing, with appropriate justification, prior to that date. Please send a copy of extension requests to Deborah Sult, YMQA/QATSS, P.O. Box 98608, Mail Stop 455, Las Vegas, Nevada 89193-8608.

If you have any questions, please contact either Mario R. Diaz at (702) 794-1489 or Richard L. Weeks at (702) 794-1431.

Richard E. Spence
Yucca Mountain Quality Assurance

YMQA:MRD-0113

Enclosure:
DR YM-96-D-087

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
S. Y. Pickering, M&O/SNL, Albuquerque, NM, M/S 1395
Records Processing Center

cc w/o encl:
W. L. Belke, NRC, Las Vegas, NV
R. L. Weeks, 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
WM-11 PDR

Recip: NMSS/PAHL

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WM-11

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

THIS IS A RED STAMP

Deficiency Report

NO. 27-96-D087

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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:

QAIP 20-2, Revision 01

2 Related Report No.

YM-ARC-96-18

3 Responsible Organization:

SNL

4 Discussed With:

Larry Costin

5 Requirement/Measurement Criteria:

Section 4.2, Step 2 states in part, "Each individual making an entry in the Scientific Notebook shall sign and date that entry."

6 Description of Condition:

Contrary to the above requirement entries made in Scientific Notebook, Fracture Properties Experiments, WBS 1.2.3.2..7.1.4, WA-0091, Task 4 were not signed and dated.

7 Initiator

Richard L. Weeks

Date 8/1/96

8 Is condition an isolated occurrence?

☐ Yes

☒ No

☐ Unknown; Must be Yes if PR

10 Recommended Action: (Not required for PR)

- 1) Make corrections to SN identified as deficient.
- 2) Evaluate other SN's to determine compliance to this requirement and make appropriate corrections. Provide objective evidence of evaluation and corrective actions.

11 QA Review:

QAR Richard L. Weeks

Date 8/1/96

12 Response Due Date

20 working days from issuance

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

Printed Name

R.E.S.PENCE

Signature

Robert B. Constable

Date 8.7.96

22 Corrective Action Verified

QAR

Date

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

AOQAM

Date

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RADIOACTIVE WASTE MANAGEMENT
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WASHINGTON, D.C.

PR/OR NO. YM-96-D087
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PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

Each entry of the Scientific Notebook for Fractures Properties Experiments (WBS 1.2.3.2.7.1.4) under WA-0091 Task 4 (three volumes) will be reviewed by the PI (William Olsson) and signed and dated with the date of the review.

15 Extent of Condition: (Not required for PR)

No other tasks under WA-0091 use Scientific Notebooks. Data is collected per a Technical Procedure (QAIP 20-1). A random selection of Scientific Notebooks from WA-0065, recently submitted to the records system, indicate the problem is isolated one PI. The PI incorrectly interpreted the procedural requirement, and has been reminded of the requirement to sign and date each Scientific Notebook entry. Based on the investigative results, no root-cause determination is indicated.

No additional testing will be performed in FY96. To prepare for possible FY97 testing and to minimize the reoccurrence of this problem, the test forms used to record sample information and test results will be revised to require that the PI verify the entry (sample information and test results) and provide a signature line for the PI to sign and date each entry.

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:

507 30, 1996

19 Response by: FM L.S. COSTW

☒ Initial
☐ Amended

Date 9/3/96

Phone 878-0641

20 Response Accepted

QAR

Date

21 Response Accepted (N/A for PR):

AOQAM

Date

9/5/96 Brady & Spence

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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:

September 30, 1996

19 Response by: L. S. Costin

☐ Initial
☒ Amended

Date 9/26/96

Phone 648-0731

20 Response Accepted

QAR

Richard L. Olsson

Date 10/15/96

21 Response Accepted (N/A for PR):

AOQAM

James B. Langford to RLS

Date 10/16/96

10/3/96 BRADY TO SPENCE