



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

SEP 19 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 RESPONSE TO DEFICIENCY REPORT (DR) YM-96-D-087
 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD)
 AUDIT YM-ARC-96-18 OF SANDIA NATIONAL LABORATORIES**

The YMQAD staff has evaluated the response to DR YM-96-D-087. The response has been determined to be unsatisfactory due to the following reasons:

Block 15 - Extent of Condition: The ending of the second sentence is unclear.

Block 17 - Action to Preclude Recurrence: Action to Preclude Recurrence is required to close this DR. The second paragraph in Block 15 is sufficient to address this.

An amended response is required to be submitted to this office within ten working days of the date of this letter. Send the original of your response to Deborah Sult, YMQAD/QATSS, P.O. Box 98608, Mail Stop 455, Las Vegas, Nevada 89193-8608. If an extension to the due date is necessary, it must be requested in writing, with appropriate justification, prior to that date.

If you have any questions, please contact either Robert B. Constable at (702) 794-5580 or Richard L. Weeks at (702) 794-1431.

Robert B. Constable _____

Richard E. Spence, Director
 Yucca Mountain Quality Assurance Division

YMQAD:RBC-2657

Enclosure:
 DR YM-96-D-087

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 PDR WASTE PDR
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L. D. Foust

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SEP 19 1996

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. R. Richards, M&O/SNL, Albuquerque, NM, M/S 1333
R. L. Strickler, M&O, Vienna, VA
B. R. Justice, M&O, Las Vegas, NV
R. P. Ruth, M&O, Las Vegas, NV
Records Processing Center

cc w/o encl:

W. L. Belke, NRC, Las Vegas, NV
R. L. Weeks, YMQAD/QATSS, Las Vegas, NV
D. G. Sult, YMQAD/QATSS, Las Vegas, NV
D. G. Horton, DOE/OQA, Las Vegas, NV

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

OCS-89052-11
 Performance Report
 Deficiency Report
 NO. *YM* 2-96-D087 *DS 8/1/96*
 PAGE 1 OF 2
 QA: L

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 <i>Richard L. Weeks</i> Richard L. Weeks Date 8/1/96	9 Is condition an isolated occurrence? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown; Must be Yes if PR
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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: <i>Richard L. Weeks</i> QAR Richard L. Weeks Date 8/1/96	12 Response Due Date 20 working days from issuance
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13 Affected Organization QA manager Issuance Approval: (QAR for PR)

Printed Name **R.E. SPENCE** Signature *Robert B. Constance* Date **8.7.96**

22 Corrective Action Verified QAR Date	23 Closure Approved by: (N/A for PR) AOQAM Date
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**OFFICE OF CIVILIAN
RADIOACTIVE WASTE MANAGEMENT
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WASHINGTON, D.C.**

PR/DR NO. YM-96-D087
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QA: L

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:

SUT 30, 1996

19 Response by: *FR L.S. COSTW*

Initial

Amended

OB F ELL
Date *9/3/96*

505
Phone *878-0641*

20 Response Accepted

QAR

Date

21 Response Accepted (N/A for PR):

AOQAM

Date

9/5/96 Brady to Spence