



Department of Energy

Washington, DC 20585


DEC 23 1996

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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

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF DEFICIENCY
REPORT (DR) YM-96-D-087 RESULTING FROM OFFICE OF QUALITY ASSURANCE
(OQA) AUDIT YM-ARC-96-18 OF SANDIA NATIONAL LABORATORIES

The OQA staff has verified the corrective action to DR YM-96-D-087 and determined the results to be satisfactory. As a result, the DR is considered closed.

If you have any questions, please contact either Mario R. Diaz at (702) 794-1489 or James E. Clark at (702) 794-1494.


Donald G. Horton, Director
Office of Quality Assurance

OQA:MRD-0581

Enclosure:
DR YM-96-D-087

cc w/encl:

T. A. Wood, DOE/HQ (RW-55) FORS
J. O. Thoma, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
B. R. Justice, M&O, Las Vegas, NV
S. Y. Pickering, M&O/SNL, Albuquerque, NM, M/S 1395
Records Processing Center = "7"

cc w/o encl:

W. L. Belke, NRC, Las Vegas, NV
J. E. Clark, OQA/QATSS, Las Vegas, NV
D. G. Sult, OQA/QATSS, Las Vegas, NV
R. L. Weeks, OQA/QATSS, Las Vegas, NV
R. W. Clark, DOE/OQA, Las Vegas, NV

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

ISSA REQ STAMP
Performance Report
☒ Deficiency Report
NO. *YM* *05/1/96*
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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
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:

Richard L. Weeks
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. SPENCE

Signature

Robert B. Boustable

Date 8.7.96

22 Corrective Action Verified

Wayne E. Clark
QAR Wayne E. Clark

Date 10/31/96

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

James Blaylock
AOQAM James Blaylock

Date 12/19/96

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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:

SMT 30, 1996

19 Response by: FR L.S. COSTW

☒ Initial
☐ Amended

Date 9/3/96 Phone 848-0641

20 Response Accepted

QAR

N/A

Date

21 Response Accepted (N/A for PR):

AOQAM

N/A

Date

9/5/96 Brady & Spence

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PERFORMANCE/DEFICIENCY REPORT RESPONSE

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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. Spence to RQ

Date 10/18/96

10/3/96 BRADY TO SPENCE

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WASHINGTON, D.C.

8 ☐ Performance Report
☒ Deficiency Report

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VERIFICATION OF CORRECTIVE ACTION - YM-96-D087

During conduct of Audit SNL-ARP-97-02, verified corrective actions as follows on 10/31/96:

- o Observed that each page of the Scientific Notebook for Fractures Properties (WBS 1.2.3.2.7.1.4) had been signed and dated signifying a review by the PI.
- o Confirmed that the form to be used in Scientific Notebooks for future testing activities has a signature line for the PI to sign and date the entry.

James E. Clark

James E. Clark, QAR (for Richard Weeks)

12/12/96