

Department of Energy

Washington, DC 20585 DEC 2 3 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

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

Donald G. Horton, Director

Office of Quality Assurance

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.

OOA: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

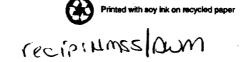
J. E. Clark, OQA/QATSS, Las Vegas, NV

D. G. Sult, OQA/QATSS, Las Vegas, NV

R. L. Weeks, OQA/QATSS, Las Vegas, NV

R. W. Clark, DOE/OOA, Las Vegas, NV

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☑Deficiency Re	eport
YM NO. <u>X-96-D08</u>	2 DE 11/2
PAGE 1 OF	24 05 L

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PERFORMANCE/DE	EFICIENCY REPORT	,
1 Controlling Document:	2 Related Report No.	
QAIP 20-2, Revision 01	YM-ARC-96-18	
3 Responsible Organization:	4 Discussed With:	
SNL	Larry Costin	
5 Requirement/Measurement Criteria:	<u> </u>	
Section 4.2, Step 2 states in part, "Each individual makientry."	ing an entry in the Scientific Notebook sha	I sign and date that
•	•	
	•	
6 Description of Condition:		
Contrary to the above requirement entries made in Scientific 1.2.3.27.1.4, WA-0091, Task 4 were not signed and details.		iments, WBS
•		
•		
•		
7 Initiator Linkard K. Wills	9 Is condition an isolated occurrence?	,
Richard L. Weeks Date 8/1/96	☐ Yes ■ No ☐ Unknown; M	ust be Yes if PR
10 Recommended Action: (Not required for PR)	<u> </u>	
Make corrections to SN identified as deficient. Evaluate other SN's to determine compliance to this objective evidence of evaluation and corrective action.	requirement and make appropriate correct	ions. Provide
11 QA Review:	12 Response Due Date	
QAR Richard L. Weeks Date 9/1/96	20 working days from issuar	ice
13 Affected Organization QA manager Issuance Approval: (QAR for PR)	0110011	. St
Printed Name 2.E.SPENCE Signat	ture 1/chent B (Bustable)	Date 8.7.96
22 Corrective Action Verified	23 Closure Approved by: (N/A for PR)	
Date 10/31/9	a AOQAM Jomes Blanfork &	- Date 12/19/9L
xhibit AP-16;1/Q.1		Rev. 0715/96

PRIOR NO. YM	1-96-D087
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WASHINGTON, D.C.						
PERFORMAI	NCE/DEFICIE	NCY REP	ORT RE	SPONSE		
14 Remedial Actions:		·			,	
Each entry of the Scientific Notebook for under WA-0091 Task 4 (three volumes) and dated with the date of the review.						•
			•	•	·	
15 Extent of Condition: (Not required for PR)	 -					
No other tasks under WA-0091 use Scientific Noselection of Scientific Notebooks from WA-006. The PI incorrectly interpreted the procedural required Notebook entry. Based on the investigative results additional testing will be performed in FY96 problem, the test forms used to record sample in (sample information and test results) and provide 16 Root Cause Determination: (Not required for	5, recently submituitement, and hat alts, no root-cause. To prepare for formation and test a signature line	atted to the rest seen remination determination possible FYS tresults will	cords system ded of the roon is indicated on is indicated of testing and be revised	m, indicate the prequirement to steed. and to minimize to require that t	problem is isolate ign and date each	d one PI. Scientific of this
•		•		•		
17 Action to Preclude Recurrence: (Not require	ed for PR)	Roquired	Yes	⊠ No		
			•			
			•			·
•						
				·		
18 Corrective Action Completion Due Date:	19 Response b	Y: FR L·S·	WTCO)	OB F	_	es.
SUT 30, 1996	Amended	1005	Date	9/3/94	Phone 841-	1490
QAR Date		21 Respon	nee Accepto	ed (N/A for PR): N/A	: Date	
Tybibit AP-16 10 2						. 07/16/96

9/5/96 Bridy & Spince

PRIOR NO. YM-S	96-D087
PAGE 72	OF ZU
	DA: L W

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 Olssom) and signed and dated with the date of the review. 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 the entry. 15 Event of Condition: (Not required for FR) 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 that problem is isolated to one FI. The FI 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. 16 Root Cause Datermination: (Not required for PR) Required Yes No						
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 FI (William Olsson) and signed and dated with the date of the review. 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 FI verify the entry (sample information and test results will be revised to require that the FI verify the entry (sample information and test results) and provide a signature line for the FI to sign and date the entry. 16 Event of Condition: (Not required for FR) 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 that problem is lookated to one FI. The FI incorrectly interpreted the procedural requirement, and has been reminded of the requirement to eign and date each Scientific Notebook entry. Based on the investigative results, no root-cause determination is indicated. 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:	PERFORMA	NCE/DEFICI	ENCY REP	ORT RES	SPONSE	
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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 that problem is isolated to 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. 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:	15 Extent of Condition: (Not required for PR)	_ 	`			
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PR/DR CONTINUATION PAGE

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, QAR (for Richard Weeks)

James E. Clark

12/12/96