

Department of Energy

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

JUL 2 2 1995

L. Dale 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-061 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) SURVEILLANCE YMP-SR-96-011 OF THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM MANAGEMENT AND OPERATING CONTRACTOR (SCPB: N/A)

The YMQAD staff has evaluated the response to DR YM-96-D-061. The 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 G. Sult, YMQAD/QATSS, P.O. Box 98608, Mail Stop 455, Las Vegas, Nevada 89193-8608.

If you have any questions, please contact either Robert B. Constable at (702) 794-5580 or Patout H. Cotter at (702) 794-1332.

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Richard E. Spence, Director Yucca Mountain Quality Assurance Division

YMQAD:RBC-2178

Enclosure: DR YM-96-D-061

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

cc w/o encl: W. L. Belke, NRC, Las Vegas, NV P. H. Cotter, YMQAD/QATSS, Las Vegas, NV D. G. Sult, YMQAD/QATSS, Las Vegas, NV D. G. Horton, OQA, NV

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RADIOACTIVE WASTE MANAGEMENT		
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WASHING	STON, D.C.	PAGE 1 OF 24
PERFORMANCE/D		
1 Controlling Document:		2 Related Report No
QARD, DOE/RW-0333P, Revision 5		YMP-SR-96-011
3 Responsible Organization:	4 Discussed With	
CRWMS M&O Design	O. J. Gilstrap / A. Segrest / J.	Willis / J. Bailey / W. Glasser
5 Requirement/Measurement Criteria:	······································	
1.		
• QARD, Section 2.0, "Quality Assurance Program,"		
"B. Affected Organizations shall establish implementin		
Quality Assurance Requirements and Description	unity requirements into work	
QARD Section 3.0, "Design Control." Paragraph 3.	2.8. "Desian Change Control " s	tates
"Design changes shall be controlled according to t		
A. Changes to final designs, field changes, and nonce		se-as-is" or "repair" shall be
justified and shall be subject to design control mea		
B. Design control measures for changes shall include	provisions to assess the effect	of the changes on the overall
previously verified design and ensure that the desi	on analyses for the item are still	valid."
6 Description of Condition:		· · · · · · · · · · · · · · · · · · ·
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"use-as-is" (those not covered by an ECR) or "repa described and documented in CRWMS M&O imple 2. Contrary to the requirements in paragraph 2.2.1, the	menting procedures. e CRWMS M&O matrix does no	
QARD requirements are directly addressed for the	following procedures:	•
NLP-3.25, "Configuration/Change Control," NLP-3. Specifications," QAP-3-8, Specifications," QAP-3-9		
		TU, Engineening Drawings.
,		TU, Engineening Drawings.
		TO, Engineening Drawings.
	•	TO, Engineening Drawings.
7 Initiator	9 QA Review	TO, Engineening Drawings.
	SQA Review OAR PLL	
Patout H. Cotter	OAR	Date 5/17/36
10 Response Due Date:	QAR	Date 5/17/36
Patout H. Cotter // Los Date 5/17/9/ 10 Response Due Date: 20 Working Days From Issuance	OAR	
Patout H. Cotter // Cotte Date 5/17/91	QAR	Date 5/17/76
Patout H. Cotter 10 Response Due Date: 20 Working Days From Issuance 12 Remedial Actions:	QAR 11 QA Issuance Approval QAR (PR)/AOQAM (DR)	Date 5/17/76
Patout H. Cotter 10 Response Due Date: 20 Working Days From Issuance 12 Remedial Actions: Revise CRWMS M&O procedure(s) as necessary to co	QAR 11 QA Issuance Approval QAR (PR)/AOQAM (DR) mply with QARD requirements.	Date 5/17/76
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. . DR NO. YMOAD-96-D06 **OFFICE OF CIVILIAN** RADIOACTIVE WASTE MANAGEMENT PAGE ____ OF **U.S. DEPARTMENT OF ENERGY** QA: L WASHINGTON, D.C. **DEFICIENCY REPORT** 17 Recommended Actions: Initiate action to update procedures. 1. Determine the root cause of deficient condition. 2. Determine and implement actions to preclude recurrence. 3. 18 Investigative Actions: SEE ATTACHED P. 4 FOR RESPONSE 19 Root Cause Determination: SEE PAGE 4 20 Action to Preclude Recurrence: SEE PAGE 4 21 Response By: 22 Corrective Action Completion Due Date Date 06/27/96 SEP. 30, 1996 ALOEN M. 24 Response Accepte 23 Response 91 QAR / KK Date 7 AOQAM Date h 26 Amended Response Accept 25 Amended Response Accepted QAR Date MAQOA Date 27 Corrective Action Verified 28 Closure Approved by: Date MAQQA QAR Date

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

⁸ Performance Report ØDeficiency Report

NO. YMOAD-96-D061

PERFORMANCE/DEFICIENCY REPORT

Block 5, Requirement/Measurement Criteria, continued:

- 2. QARD, Section 2.0, "Quality Assurance Program," Paragraph 2.2.1, "Quality Assurance Program Document," states:
- *2.2.1C Each Affected Organization shall complete a QARD requirements matrix for the portion of the QARD which they are implementing.

2.2.1C.1 The matrix shall identify: a) Where the QARD requirements are directly addressed."

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT U.S. DEPARTMENT OF ENERGY

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PR/DR CONTINUATION PAGE

WASHINGTON, D.C.

12 Remedial Actions

The remedial actions will be:

1. Write a DAR to change YAP-15.1Q procedure, if required. MGDS Development cannot take responsibility for the actual revision of the procedure.

2. Write a PAR to change NLP-3-10, Preparation of changes to Engineering Drawings and Specifications, to provide additional clarification regarding "use-as-is" or "Repair".

3. Revise NLP-3-10 and Matrix as required.

4. Complete the above remedial actions by September 30, 1996.

BLOCK 18 Investigative Actions:

The M&O has updated the traces (on 4/23/96) for YAP 15.1Q in the QARD Trace matrix. This update was not and could not be entered in the RTN since DOE owns the document. We now trace the YAP to 3.2.8.A. but not 3.2.8.B. For 3.2.8.A, we also trace to NLP-3-8, 3-9, 3-10, 3-13, and 3-25, VLP-3-4, and QAPs 3-8, 3-9, 3-10. For 3.2.8.B we trace to NLP-2-0, 3-10, 3-25, VLP-3-4 and QAPs-3-8, 3-9, 3-10. These traces are adequate.

The traces have all been reviewed and determined to be adequate by a QAR within the M&O. The QARD Trace Matrix (The M&O replacement for RTN) and the RTN traces are the same.

There are two categories of "Use-as-is" and "repair" NCRs.

A) Those that are "one time exceptions" not requiring a change to a drawing or a specification, and,

B) Those that require a change to a drawing or specification (usually a change made by an ECR (NLP-3-25) or a drawing (QAP-3-10) or specification (QAP-3-8) revision)

For A above, procedure YAP-3.3Q titled "Preparation and Submittal of As- Built Drawings and Specifications" Attachment 9.3 last para. specifically states "Features documented in nonconformance reports and dispositioned "use-as-is" or "repair" shall also be incorporated into the as-built drawings and specifications." As-built drawings, which is another revision that is intended to be the last, and specifications will be revised using existing procedures QAP-3-8 and QAP-3-10, therefore ensuring that Changes to final designs, field changes, and nonconforming items dispositioned "use-as-is" or "repair" shall be justified and shall be subject to design control measures commensurate with those applied to the original design.

For B above, when ECRs are incorporated or a drawing or specification is revised drawings and specifications will be revised using existing procedures QAP-3-8 and QAP-3-10, therefore ensuring that changes to final designs, field changes, and nonconforming items dispositioned "use-as-is" or "repair" shall be justified and shall be subject to design control measures commensurate with those applied to the original design.

BLOCK 19 Root Cause Determination

The implementing procedures do not provide clear adequate instruction on how to Process NCRs that have dispositions of "use-as-is" or "repair".

BLOCK 20 Action to Preclude Recurrence:

The Actions to preclude Recurrence are covered in BLOCK 12 Remedial Actions.