



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

MAR 03 1995

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Technical Project Officer
for Yucca Mountain Site
Characterization Project
TRW Environmental Safety Systems, Inc.
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Las Vegas, NV 89109

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF CORRECTIVE ACTION REQUEST (CAR) YM-94-063 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD) AUDIT YMP-94-01 OF THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM MANAGEMENT AND OPERATING CONTRACTOR (SCPB: N/A)

The YMQAD staff has verified the corrective action to CAR YM-94-063 and determined the results to be satisfactory. As a result, the CAR is considered closed.

If you have any questions, please contact either Robert B. Constable at 794-7945 or Richard E. Powe at 794-7749.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-2340

Enclosure:
CAR YM-94-063

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

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

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PDR WASTE
WM-11 PDR

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

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CORRECTIVE ACTION REQUEST

1 Controlling Document QAP-3-0, Revision 2 and QAP-3-8, Revision 4		2 Related Report No. Audit YMP-94-01	
3 Responsible Organization CRWMS M&O		4 Discussed With S. Bailey	
5 Requirement: M&O QAP-3-0, Revision 2, Section 5.6, "Design Output Control" states in part: "5.6.4 After approval, the design outputs will become part of the M&O technical baseline (Level 3) and will be placed under configuration control, in accordance with QAP-3-4." (Continued on next page)			
6 Adverse Condition: Design output documents (specifications) have been submitted for M&O technical baseline as approved documents; however, two required signatures were missing on ten of 29 design output documents. DISCUSSION: All ten of the design specifications that required verification i.e., quality-affecting, were not signed by the Department Manager and Quality Assurance, e.g., the following specifications were submitted for M&O technical baseline without all necessary signatures. BABB00000-01717-6300-02165, Revision 03, Rockbolts and Accessories BABBAD000-01717-6300-02313, Revision 00, Subsurface Drilling and Blasting BABB00000-01717-6300-03360, Revision 00, Dry Process Shotcrete			
9 Does a Significant Condition Adverse to Quality exist? Yes ___ No <u>X</u> If Yes, Check One: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E		10 Does a stop work condition exist? Yes ___ No <u>X</u> ; If Yes - Attach copy of SWO If Yes, Check One: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C	
3 Response Due Date: 20 Working Days From Issuance			
11 Required Actions: <input checked="" type="checkbox"/> Remedial <input type="checkbox"/> Extent of Deficiency <input checked="" type="checkbox"/> Preclude Recurrence <input type="checkbox"/> Root Cause Determination			
12 Recommended Actions: 1) Obtain approval of the ten design specifications. 2) Consider revising procedures to accurately reflect intended flow.			
7 Initiator Richard E. Powe <i>R E Powe</i> 8/4/94		14 Issuance Approved by: QADD <i>[Signature]</i> Date 8.5.94	
15 Response Accepted QAR <i>R E Powe</i> Date 8/23/94		16 Response Accepted QADD <i>[Signature]</i> Date 8.25.94	
17 Amended Response Accepted QAR _____ Date _____		18 Amended Response Accepted QADD _____ Date _____	
19 Corrective Actions Verified QAR <i>R E Powe</i> Date 3/1/95		20 Closure Approved by: QADD <i>[Signature]</i> Date 3.2.95	

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CORRECTIVE ACTION REQUEST (CONTINUATION PAGE)

5 Requirements (continued)

M&O QAP-3-8, Revision 4, Paragraph 5.9, "Specification Approval" states in part:

- "A. Produce the final specification by changing the alphanumeric designator to a numeric revision designator. The initial specification revision designator shall be "00" and....
- E. Obtain Department Manager signature and date.
- F. Obtain QA signature and date.
- G. Forward the approved specification to the LDE."

Corrective Action Response for CAR YM-94-063

- A. Remedial Action - To correct the specific problem identified during the audit, the 10 specifications will be signed by QA and the department manager.**

Responsible Individual: Jerry Naaf
Due Date: 9/30/94 (Anticipated Release Date of 2C)

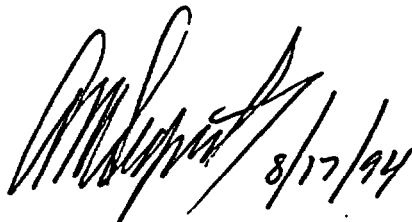
- B. Extent of the Deficiency - Only applies to the 10 specifications in question.**

C. Corrective Action to Preclude Recurrence

1). The design organization is reviewing the design process to incorporate all the lessons learned from the various audits and surveillances which have just concluded. The design control process will be revised to incorporate the lessons learned. Until the process is formally changed, we will follow the process outlined in the procedures. Appropriate procedures will be revised to reflect the revised design control process.

2). M&O design personnel will be retrained to the revised procedures describing the revised design control process.

Responsible Person: Stan Bailey
Due Date: 1/31/95

 8/17/94


VERIFICATION OF CORRECTIVE ACTION FOR CAR YM-94-063

1. Verified specifications are now being processed in the same manner, whether quality related or non-quality related. The Civilian Radioactive Waste Management System Management and Operating contractor (M&O) actually has a Specification Cover Sheet for the record on all 10 quality related specifications that reflect all necessary signatures. In some instances the Specification Cover Sheet refers to CAR YM-94-063. NOTE: Some of the specifications were approved but never issued. The specifications were:


BAB000000-01717-6300-01400 R02	Constructor QC/QA
BAB000000-01717-6300-01501 R00	Subsurface General Construction
BAB000000-01717-6300-02165 R03	Rockbolts and Accessories
BABEAD000-01717-6300-02313 R00	Subsurface Drilling and Blasting
BABEAB000-01717-6300-02341 R02	Steel Sets and Accessories
BAB000000-01717-6300-03202 R00	QA-Control Concrete Reinforcement
BAB000000-01717-6300-03302 R00	Cast-In-Place QA-Control Concrete
BABE00000-01717-6300-03362 R00	Dry Process Shotcrete
BABE00000-01717-6300-03363 R00	Wet Process Shotcrete
BABEA0000-01717-6300-03601 R00	Tunnel Grouting

2. The most recently issued M&O Quality Administrative Procedure, QAP-3-8, Revision 5, "Specifications", effective 3/3/95 still reflects that the specifications have to be approved by the M&O prior to submittal to the DOE for acceptance. This means that if mandatory comments by DOE result in a need to revise the specification the revision number must be changed and reflect that a particular revision was approved but not issued. An M&O representative (Mr. S. Bailey) indicated that the M&O was working on possibly revising the appropriate QAPs to allow sending the specifications to the customer (DOE) just prior to approval so that they can eliminate having approved but not issued specifications.

This CAR is now considered CLOSED.



R. E. Powe,
Quality Assurance Representative



Date