



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

QA: L

AUG 26 1994

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

The YMQAD staff has evaluated the response to CAR YM-94-063. 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 the date. Please send a copy of extension requests to Deborah Sult, YMQAD/QATSS, 101 Convention Center Drive, Suite 640, Las Vegas, Nevada 89109.

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

Robert B. Constable

YMQAD:RBC-4828

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

Enclosure:
CAR YM-94-063

*NH03 1/1
WM-11
102.7*

L: Dale Foust

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AUG 26 1994

cc w/encl:

T. A. Wood, HQ (RW-10) FORS
~~R. L. Johnson~~, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
R. L. Robertson, M&O/TRW, Vienna, VA
Richard Jiu, M&O/Duke, Las Vegas, NV
R. P. Ruth, M&O/TRW, Las Vegas, NV

cc w/o encl:

W. L. Belke, NRC, Las Vegas, NV
D. G. Sult, YMOAD/QATSS, Las Vegas, NV

070122

**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
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3 Responsible Organization CRWMS M&O	4 Discussed With S. Bailey
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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.

BAEE00000-01717-6300-02165, Revision 03, Rockbolts and Accessories
BAEEAD000-01717-6300-02313, Revision 00, Subsurface Drilling and Blasting
BAEE00000-01717-6300-03360, 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
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11 Required Actions: Remedial Extent of Deficiency Preclude Recurrence 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
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15 Response Accepted QAR <i>R E Powe</i> Date 8/23/94	16 Response Accepted QADD <i>[Signature]</i> Date 8-25-94
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17 Amended Response Accepted QAR _____ Date _____	18 Amended Response Accepted QADD _____ Date _____
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19 Corrective Actions Verified QAR _____ Date _____	20 Closure Approved by: QADD _____ Date _____
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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)

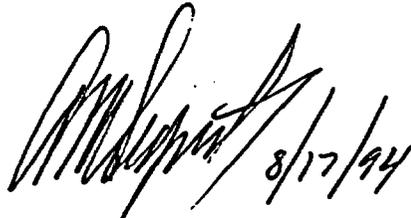
- B. Extent of the Deficiency - Only applies to the 10 specifications in question.**

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