



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

JAN 31 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

VERIFICATION OF CORRECTIVE ACTION OF CORRECTIVE ACTION REQUEST
(CAR) YM-94-071 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE
DIVISION (YMQAD) AUDIT YMP-94-01 OF CIVILIAN RADIOACTIVE WASTE
MANAGEMENT SYSTEM MANAGEMENT AND OPERATING CONTRACTOR
(SCPB: N/A)

The YMQAD staff has verified the corrective action to CAR
YM-94-071 and determined the results to be unsatisfactory because
actions were not completed as described in the enclosed CAR.

Your response, indicating the appropriate corrective action
completion date, is required to be submitted to this office
within 10 working days of the date of this letter. Verification
of completion of the required corrective action will be performed
after the date provided.

If you have any questions, please contact either Robert B.
Constable at 794-7945 or John F. Pelletier at 794-7538.

Robert B. Constable for.

Richard E. Spence, Director

~~YMQAD:RBC-1926~~ Yucca Mountain Quality Assurance Division

Enclosure:
CAR YM-94-071

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

YMP-5

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PDR WASTE
WM-// PDR

102.7
WM-11
MHO3

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

8 CAR NO.: YM-94-071
PAGE: 1 OF 1
QA

CORRECTIVE ACTION REQUEST

1 Controlling Document NLP-3-20, Revision 0, Preparation of EFD	2 Related Report No. YMP-94-01
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3 Responsible Organization M&O	4 Discussed With Lawrence Morrison
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5 Requirement:
NLP-3-20, Revision 0, Paragraph 5.2.10E - The EFD shall contain a traceability matrix of all output design documents.

6 Adverse Condition:
Contrary to NLP-3-20, Revision 0, the traceability matrix in EFD, Appendix B, Attachment III, is incomplete in that the following mechanical discipline documents are omitted:

- Installation of Belt Conveyers, BAEFC0000-01717-6300-14553, Revision 00, 7/8/94.
- Breathing Air Purifier, BAEFAG000-01717-6300-15681, Revision 00.

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	8 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) Incorporate the mechanical discipline documents.
- 2) Review all other discipline documents for inclusion in Attachment III.
- 3) Examine related M&O CARs relative to this issue for adverse trends.

7 Initiator Neil D. Cox <i>Neil D. Cox for</i> 8-3-94	14 Issuance Approved By: QADD <i>[Signature]</i> Date 8.5.94
15 Response Accepted QAR <i>Neil D. Cox</i> Date 8/24/94	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 _____ Date _____	20 Closure Approved by: QADD _____ Date _____

RESPONSE TO CAR NO. YM-94-071

Remedial Action:

As no additional Q documents were directly affected, other than the BFD itself, the BFD Appendix B will undergo an additional check and be revised to ensure that the two examples cited in the CAR and all Package 2C calculations, drawings, and specifications are included and in the proper location after Package 2C documents are approved and baselined. Any additional deficiencies uncovered in the checking process will be incorporated in Appendix B.

Responsible Individual: Robert Saunders
Date of Completion: 11/1/94

Extent of Deficiency:

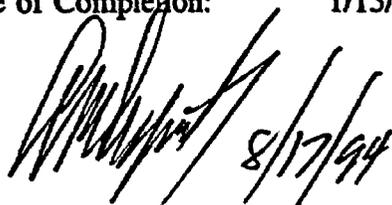
Of the 228 calculations, drawings, and specifications listed in the Scope of Work, Specification 01014 for Package 2C, we have found 3 drawings, 1 specification and 1 calculation which were not listed in Appendix B. One drawing and 1 specification had an incorrect DI portion of the document identifier (an editorial error). Two drawings were listed in the incorrect CI.

Additionally, there are other discrepancies within the BFD. Refer to M&O CAR No. 94-QN-C-040 for further details.

Corrective Action to Preclude Recurrence:

A Natural Working Group focusing on the BFD will be formed to ensure the process we use are effective, satisfy the requirements of the QARD, and that the production of the BFD can proceed in a timely and efficient manner. The Natural Working Group will be charged to produce recommendations to revise our current process of documenting our design inputs to help preclude recurrence of the type of errors addressed in CAR No. YM-94-071 and any other CARs related to this issue. Formal recommendations of the working group will be incorporated into the M&O procedures as appropriate.

Responsible Individual: Alden Segrest
Date of Completion: 1/15/95



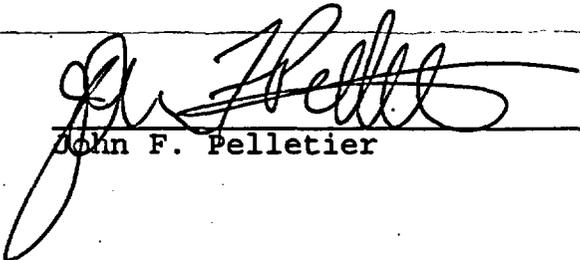
8/17/94

LV.ESSB.GH. 8/94-736

VERIFICATION OF CORRECTIVE ACTION FOR CAR YM-94-071

The YMOAD Staff reviewed the corrective action for CAR YM-94-071 and determined the results to be unsatisfactory because the commitments for this CAR were not completed as described.

The BFD shall contain a traceability matrix of all output design documents. Contrary to this commitment there has been a change in the method of tracing design inputs from the BFD to Requirements Allocation Analyses. Therefore, the Remedial Action for this CAR is no longer applicable and a new response must be provided.



John F. Pelletier

1/26/95

Date