



**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-94-071 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE  
DIVISION (YMQAD) AUDIT YMP-94-01 OF THE CIVILIAN RADIOACTIVE  
WASTE MANAGEMENT SYSTEM MANAGEMENT AND OPERATING CONTRACTOR  
(SCP: N/A)

The YMQAD staff has evaluated the response to CAR YM-94-071. 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 Neil D. Cox at 794-7236.

*Robert B. Constable* for

Richard E. Spence, Director  
Yucca Mountain Quality Assurance Division

YMQAD:RBC-4826

Enclosure:  
CAR YM-94-071

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YMP

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PDR WASTE  
WM-11 PDR

**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, BABFC000-01717-6300-14553, Revision 00, 7/8/94.
- Breathing Air Purifier, BABFAG000-01717-6300-15881, 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	9 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
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15 Response Accepted QAR <i>Neil D. Cox</i> Date 8/24/94	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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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:

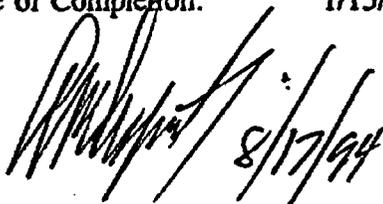
Of the 228 calculations, drawings, and specifications listed in the Scope of Work, Specification 01014 for Package 2C, we have found 3 drawings, 1 specification and 1 calculation which were not listed in Appendix B. One drawing and 1 specification had an incorrect DI portion of the document identifier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