



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

SEP 9 1994

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 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-94-058 RESULTING FROM U.S. DEPARTMENT OF ENERGY/HEADQUARTERS
 QUALITY ASSURANCE DIVISION'S AUDIT HQ-94-02 OF THE CIVILIAN
 RADIOACTIVE WASTE MANAGEMENT SYSTEM MANAGEMENT AND OPERATING
 CONTRACTOR (SCPB: N/A)

The YMQAD staff has evaluated the response to CAR YM-94-058. 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 Robert L. Howard at 794-7820.

Richard E. Spence, Acting Director
 Yucca Mountain Quality Assurance Division

YMQAD:RBC-4987

Enclosure:
 CAR YM-94-058

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
 R. P. Ruth, M&O/TRW, Las Vegas, NV
 Richard Jiu, M&O/Duke, 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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YMP-5

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 102.7 PDR

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

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QA

CORRECTIVE ACTION REQUEST

¹ Controlling Document: M&O NLP-3-20, R0, Development of Basis for Design Documents ² Related Report No.: HQ-94-02

³ Responsible Organization: CRWMS M&O ⁴ Discussed With: G. Heaney/L. Morrison

⁵ Requirement:

- Para. 5.2.5 requires the department manager to submit the requirements list to the requirements manager by IOC for acceptance.
- Para. 5.3.2 requires the checker to review the discipline inputs for each CI in accordance with Attachment IV.
- Para. 5.4.5 requires the reviewer to perform an inter-discipline review in accordance with the checklist in Attachment V.

⁶ Adverse Condition:

For the ESF Basis for Design Document Rev 2:

- There is no objective evidence that the requirements manager reviewed and accepted the requirements list per the procedure.
- There is no objective evidence that discipline inputs for each CI were reviewed in accordance with Attachment IV.
- There is no objective evidence that inter-discipline reviews were performed in accordance with Attachment V.

⁹ Does a significant condition adverse to quality exist? Yes No x
If Yes, Circle One: A B C D E

¹⁰ Does a stop work condition exist? Yes No X; If Yes - Attach copy of SWO
If Yes, Circle One: A B C

¹³ Response Due Date: 20 working days from issuance

¹¹ Required Actions: Remedial Extent of Deficiency Preclude Recurrence Root Cause Determination

¹² Recommended Actions:

- Ensure ESF BFD was adequately prepared.
- Ensure ESF Rev 2 Records Package is complete and submitted to LRC.

⁷ Initiator: <u>Robert Howard</u> Rob Howard Date <u>6/30/94</u>	¹⁴ Issuance Approved by: <u>[Signature]</u> QADD <u>[Signature]</u> for <u>[Signature]</u> Date <u>7-12-94</u>
¹⁵ Response Accepted QAR <u>Robert Howard</u> Date <u>9/6/94</u>	¹⁶ Response Accepted QADD <u>[Signature]</u> for <u>[Signature]</u> Date <u>9-8-94</u>
¹⁷ Amended Response Accepted QAR Date	¹⁸ Amended Response Accepted QADD Date
¹⁹ Corrective Actions Verified QAR Date	²⁰ Closure Approved by: QADD Date

ENCLOSURE

RESPONSE TO CAR #YM-94-058

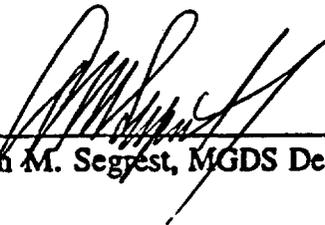
A. Remedial Action

An impact review will be completed to confirm equivalency of discipline and interdiscipline reviews and review and approval of selected requirements by the Requirements Manager. The impact review will either 1) confirm that initial reviews and approvals were equivalent to NLP-3-20 criteria, or 2) confirm that criteria, if any, which were not addressed during initial reviews are addressed in an equivalent re-review to confirm adequacy of the BFD. When the impact review is completed, it will be documented and, together with objective evidence to support the review, will be submitted to the Local Records Center as a Nonpermanent QA record, in accordance with QAP-17-1.

Responsible Individual: Robert Saunders
Anticipated Date of Completion: 10/30/94

B. Extent of Deficiency

The deficiency was identified for the design package 2B BFD revision. A review of subsequent BFD revision processing has been made and it has been concluded that this is a one-time-only deficiency. Design Package 2C is not affected. The problem resulted because BFD Revision 2 production began under one set of procedural requirements, but was completed after the revised requirements of NLP-3-20 became effective.



Alden M. Segrest, MGDS Development Manager



Date

9/1/94 LV. ESSB. GH. 8/94-755