



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

DEC 27 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  
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Las Vegas, NV 89109

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF CORRECTIVE ACTION REQUEST (CAR) YM-94-055 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 Yucca Mountain Quality Assurance Division staff has verified the corrective action to CAR YM-94-055 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 Kenneth O. Gilkerson at 794-7738.

Richard E. Spence, Director  
Yucca Mountain Quality Assurance Division

YMQAD:RBC-1498

Enclosure:  
CAR YM-94-055

cc w/encl:  
T. A. Wood, HQ (RW-14) FORS  
~~J. S. Spence~~, NRC, Washington, DC  
S. W. Zimmerman, NWPO, Carson City, NV  
R. L. Robertson, M&O/TRW, Vienna, VA  
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cc w/o encl:  
W. L. Belke, NRC, Las Vegas, NV  
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9501040207 941227  
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WM-11 PDR

102.7  
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**OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.**

<sup>6</sup> CAR NO. YM-94-055  
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**CORRECTIVE ACTION REQUEST**

<sup>1</sup> Controlling Document M&O MGP-3-9, R0, P01, Revisions to Procurement and Design Specifications Issued by Raytheon Services NV      <sup>2</sup> Related Report No. HQ-94-02

<sup>3</sup> Responsible Organization CRWMS M&O      <sup>4</sup> Discussed With M. DeLeon, B. Leonard

<sup>5</sup> Requirement:

- Paras. 5.1.2 and 5.1.3 require that when the first revision to a specification and specification section (respectively) is made the RSN Title Sheet shall be replaced with an M&O Approval of Specification and Revision Description (Attachment IV QAP 3-8) and M&O Certification of Specification (Attachment V QAP-3-8)
- Para. 5.1.1 states "The first revision to a specification shall be to show that the M&O is the A/E of Record as of December 1, 1992 ..."

<sup>6</sup> Adverse Condition:

- The M&O approval sheet has changed in the latest revision of QAP-3-8. Attachments IV and V in QAP-3-8 are no longer consistent with the specification cover sheet descriptions and references found in MGP-3-9.  
  
NOTE: The M&O is revising this procedure to address these inconsistencies.
- The Raytheon Services specifications have not been revised to show the M&O as the A/E of record during the revision processes. Revision histories for Specs YMP-025-1-SP09 and YMP-025-1-SP08 were reviewed. Discussions with Engineering personnel indicated that they did not believe any RSN specifications, which were revised by the M&O, were revised to show the M&O as the A/E of record (Other revision histories were not immediately available during the audit).  
  
NOTE: Specification YMP-025-1-SP05 has never been revised by the M&O and is a controlled working document.

<sup>9</sup> Does a significant condition adverse to quality exist? Yes    No x  
If Yes, Circle One: A B C D E      <sup>10</sup> Does a stop work condition exist? Yes    No x; If Yes - Attach copy of SWO  
If Yes, Circle One: A B C      <sup>13</sup> Response Due Date: 20 working days from issuance

<sup>11</sup> Required Actions:     Remedial     Extent of Deficiency     Preclude Recurrence     Root Cause Determination

<sup>12</sup> Recommended Actions:

- Revise MGP-3-9 to be consistent with QAP-3-8.
- Although the first revision is not at the LRC, the audit team recommends that record packages be amended with a statement from the M&O addressing that they are the A/E of Record.

<sup>7</sup> Initiator K.O. Gifkerson      Date 6/30/94      <sup>14</sup> Issuance Approved by: [Signature]      Date 7-12-94  
K.O. Gifkerson      Date 6/30/94      QADD [Signature]      Date 7-12-94

<sup>15</sup> Response Accepted [Signature]      Date 8/6/94      <sup>16</sup> Response Accepted [Signature]      Date 9-8-94  
QAR [Signature]      Date 8/6/94      QADD [Signature]      Date 9-8-94

<sup>17</sup> Amended Response Accepted n/a      Date      <sup>18</sup> Amended Response Accepted n/a      Date  
QAR n/a      Date      QADD n/a      Date

<sup>19</sup> Corrective Actions Verified [Signature]      Date 9/2/94      <sup>20</sup> Closure Approved by: [Signature]      Date 12-23-94  
QAR [Signature]      Date 9/2/94      QADD [Signature]      Date 12-23-94

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CORRECTIVE ACTION REQUEST (CONTINUATION PAGE)

Remedial Action

1. MGP-3-9 was revised and issued as NLP-3-9, Revision 1, on July 8, 1994. This corrected the inconsistencies with QAP-3-8 and NLP-3-9 (formally MGP-3-9). There were no specifications revised during the period of time the two procedures were inconsistent with each other, therefore, no incorrect forms were used. Part 1 of this CAR is considered to be complete by the M&O.

2. a) RSN Specifications YMP-025-1-SP02 and YMP-025-1-SP03 are being revised and will include a note that the M&O is the A/E of Record as of December 1, 1992.

Responsible Individual: M. DeLeon

Anticipated Date of Completion: September 9, 1994.

b) RSN Specifications YMP-025-1-SP01, YMP-025-1-SP04, YMP-025-1-SP05, YMP-025-1-SP06, YMP-025-1-SP07, YMP-025-1-SP08, YMP-025-1-SP09, and YMP-025-1-SP10 will be revised and a note stating the M&O is the A/E of Record as of December 1, 1992 will be included.

Responsible Individual: M. DeLeon

Anticipated Date of Completion: October 28, 1994.

Extent of Deficiency

All RSN Specifications listed above in the Remedial Action, Part 2, have been reviewed and will be revised to show that the M&O is the A/E of Record as of December 1, 1992.

Action to Preclude Recurrence

No further action will be required.

1) QAP-5-1 has been revised to include a Procedure Action Request which will preclude recurrence of the adverse condition in Item

1. QAP-5-1, Revision 3 was effective August 1, 1994.

2) The ten (10) RSN Specifications listed in Remedial Action, Part 2, will be revised as part of the Remedial Action. These are the only specifications which fall into the category of not listing the M&O as the A/E of Record.

8/25/94 L.V.M.G. AMS. 8/94. 231

**TO:** FILE  
**FROM:** K. O. Gilkerson *K. O. Gilkerson*  
**SUBJECT:** Verification of CAR YM-94-055  
**DATE:** December 20, 1994

Corrective actions for CAR YM-94-055 required that MGP-3-8 and MGP-3-9 be revised to correct noted deficiencies. The issuance of a procedure NLP-3-9 Revision 1 resolved the inconsistencies identified in part 1 of the adverse condition on July 8, 1994.

Corrective action for part 2 of the adverse condition required the revision of 10 specifications (former RSN specs) to identify the M&O as the A/E of record as of December 1992. The corrective actions were verified by review of controlled copies of specifications YMP-025-1-SP02, SP03, SP04, SP06 and by review of approved Change Request 95/078 to specifications YMP-025-01 SP-09 and SP-10.

Based on these verifications CAR YM-94-055 will be closed.