

Department of Energy

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

FEB 1 5 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 AND CLOSURE OF CORRECTIVE ACTION REQUEST (CAR) YM-94-053 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-94-053 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 Robert L. Howard at 794-7820.

YMQAD:RBC-2148

Richard E. Spence, Director Yucca Mountain Quality Assurance Division

Enclosure: CAR YM-94-053

YMP-5

cc w/encl: T. A. Wood, HQ (RW-14) FORS U. G. Spraul, 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/Duke, Las Vegas, NV D. G. Horton, OQA (RW-3) NV W. E. Barnes, YMSCO, NV

cc w/o encl: W. L. Belke, NRC, Las Vegas, NV D. G. Sult, YMQAD/QATSS, Las Vegas, NV

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and a second second second	CORRECTIVE	ACTION REQUES	Į –	·
¹ Controlling Document M&O QAP-3-2, Design Verifica	tion. Rev. 4, Rev. P01		² Related Re	eport No. HQ-94-02
* Responsible Organization CRWMS M&O		⁴ Discussed With M. DeLeone	e, F. Arth, J. H	leaney, J. Willis
⁶ Requirement:			- 89 A 642 (A 1	
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* Adverse Condition:				· · ·
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Exhibit QAP-16.1.1

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Adverse Condition: (Continu							
The audit team was pres Project Change Request	CR 94/181) for review p	rior to submitta	al being made	to the LR	C. Similar	discrepand	lies v
found by the audit team a in order to correct all defic	as is detailed in items A a ciencles, correctly collate t	nd B above. Ihe package ar	ne package v nd research the	vas retriev e root cau	ied by Engl se of the pr	neering Su oblems fou	pervi: nd by
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8. CAR NO. YM-94-053 PAGE 1 OF 1 QA

CORRECTIVE ACTION REQUEST (CONTINUATION PAGE)

A. REMEDIAL ACTION:

Search existing files for possible misfiling of missing documents

Generate the required missing documentation

Responsible Individual: Manny DeLeon Completion Date: 10/15/94

B. EXTENT OF DEFICIENCY:

 Review the other ESF Surface Design Verification Packages to ensure proper documentation is available and complete

Responsible Individual: Manny DeLeon Completion Date: 10/15/94

C. ROOT CAUSE DETERMINATION:

- The required documentation was not submitted to the Local Records Center (LRC) in a timely manner. The previous revision of QAP-3-2 (Design Verification) did not assign specific responsibility for assembling the records package and submitting it to the LRC.

- Discrepancies between Paragraph 5.4.1 and Paragraph 6 of QAP-3-2, Rev.4, P01, do not prevent preparation of the index nor the documentation supporting verifier qualifications, but may have attributed to them possibly not being prepared.

D. CORRECTIVE ACTION TO PRECLUDE RECURRENCE:

- QAP-3-2, (Design Verification) has been revised. Paragraph 3.6 defines the Design Verification Leader as "The individual assigned to ensure that the design verification is completed in accordance with this procedure". Throughout the procedure the Design Verification leader is given responsibility to initiate/compile/develop/complete various elements of the required forms and documentation in accordance with procedural requirements, and is the focal point for coordinating these documents in the development stage. In addition, Section 6 "RECORDS" also assigns the Design Verification Leader responsibility for assembling the records package and submitting it to the Local Records Centers.

- Discrepancies between Paragraph 5.4.1 and Section 6have been resolved in the current revision of QAP-3-2.

- We will correct the discrepancies identified by reviewing the extent of deficiency and determining any impacts on other ESF Surface Design Packages

94 LV. MG. PGJ. 8/94-236

Interoffice Correspondence Civilian Radioactive Waste Management System Management & Operating Contractor

ATTACHMENT page 10F2

TRW Environmental Safety Systems Inc.

QA: N/A

Subject Records Coordinators Date September 21, 1994 VA.RM.AT.9/94.140

From Pul R. Robertson

To Distribution cc D. Foust R. Godman A. Kubo Location/Phone TES1/8580 703.204-8600

Beginning in January of this year, the Vienna Information Management Services Office and the Las Vegas Support Operations group have carried out several initiatives designed to increase awareness by M&O staff of their responsibilities with respect to Federal records and records inclusionary to the central OCRWM Records Management System. These initiatives have been motivated by a recognition of the M&O's contractual and regulatory requirements as well as the compelling need to ensure that records required for repository licensing have been properly identified, captured and processed.

Although this training has achieved many favorable results, and will continue to be offered, many M&O staff do not properly manage the records that they generate or receive nor turn over the inclusionary records to the Records Management System as part of their daily work routine. Furthermore, many records that are turned over contain avoidable errors due to lack of attention to detail, failure to comply with written procedures and "blind" approval of records/records packages by authenticators. One of the outcomes of this situation was the recent generation of a trending Corrective Action Report that was assigned to the Records Management organization, citing numerous failures on the part of record sources to properly create, complete and turnover records.

Accordingly, the Records Management organization has developed a strategy for Offices and Departments to better manage their records. This strategy requires the cooperation and participation of all Offices and Departments but will result in benefits to both the Records Management organization and the line organizations. The foundation of the strategy is the assignment by line organizations of a Records Coordinator to act as a liaison with the Records Management organization. The concept behind the Records Coordinator system is that there will be an employee inside each line organization who is familiar with both the work carried out in that organization as well as records policies and procedures. Attached is a list of duties of the Records Coordinators. **Duties of Records Coordinators**

Learn work flows and work products of the respective line organizations in which they work.

ATTACHMEN Page 20F2

- Learn records management (and document control) work flows, policies, procedures, and systems.
- Work with records sources to identify Federal records (vs. non-record materials).

Work with records sources to identify inclusionary records and to prepare correct and complete records package segments and records packages.

- Advise line management in methods to ensure timely and efficient identification, turnover, and disposition of records.
- Support the line organization in making retrievals from the Records Management system, including conduct of on-line searches for records.

Assist and advise line organization in RIDS implementation.

Share observations with the Records Management organization on ways to improve work flows, policies, procedures and systems based on the user perspective.

Act as a conduit between the line organization and the Records Management organization in all matters concerning Records Management and Document Control.

CAR NO. Y	M-94-053
PAGE	OF
	QA

CORRECTIVE ACTION REQUEST (CONTINUATION PAGE)

Amended Response

A. REMEDIAL ACTION:

1. Search existing files for possible misfiling of missing documents

2. Generate the required missing documentation if required

Responsible Individual: Manny DeLeon Completion Date: 11/30/94

3. Continue investigation to determine the extent of the deficiency as follows:

- Review Design Review Records Packages for Design Packages 1C, 2B & 2C for any deficiencies. Determine any potential impacts based on the review, and generate the required missing documentation if required. Amend CAR response.

Responsible Individual: Manny DeLeon Completion Date: 11/30/94

- Since no other Design Packages conducted Design Verifications using QAP-3-2, Rev 4, no further review related to Design Verification documentation is required.

B. EXTENT OF DEFICIENCY:

All existing project files as well as the LRC have been searched to locate the missing Design Verification documents. None of the subject documents have been found and are considered lost. Based on the outcome of the "Extent of Deficiency" investigation conducted for CAR YM-94-052, it has been determined that these documents will have no impact on package 1B or any work done to 1B.

Neither the Vienna office nor the Charlotte office have conducted Design Verification, and therefore have not utilized QAP-3-2.

The Vienna office has reviewed a sampling of packages which performed reviews using QAP-3-1, Rev. 4. This review did not identify the existence of similar deficiencies with the records. Based upon this sampling, review packages for MRS-SRD Rev. 1 and Trans SRD Rev. 1, we conclude that the extent of deficiency does not include Vienna.

The Charlotte office has instituted an administrative control by assigning a Conformance Verification Individual to ensure similar problems do not occur there. Because of this, a separate review at the Charlotte office was not conducted.

Similar investigations will be conducted for Design Review Records Packages to further identify the extent of the deficiencies.

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CORRECTIVE ACTION REQUEST (CONTINUATION PAGE)

Amended Response (Continued)

C. ROOT CAUSE DETERMINATION:

1. The required documentation was not submitted to the Local Records Center (LRC) in a timely manner. QAP-3-2, Rev 4 assigned the Cognizant Office Manager the responsibility for submitting the Records Package to the LRC. Root cause: This appears to be too high a level for assigning this discrete task.

2. Discrepancies between Paragraph 5.4.1 and Section 6 do not prevent preparation of the index nor the documentation supporting verifier qualifications, but may have been a contributing cause to them not being prepared.

D. CORRECTIVE ACTION TO PRECLUDE RECURRENCE:

1. QAP-3-2, Rev 5 now assigns a Design Verification Leader to ensure that all required forms and documentation are completed in accordance with procedural requirements. This individual also has been assigned responsibility for assembling the Design Verification Records Package and submitting it to the Local Records Center. No further corrective action is required.

The M&O Records Management organization has developed a strategy which is supported at the highest level of the M&O (See Attachment I). Each line organization will assign a Records Coordinator for facilitating submission of Records Packages.

Responsible Individual: Manny De Leon Completion Date: 11/30/94

Lessons learned training will be conducted against all CARs relating to Records Packages

Responsible Individual: Jerry Heaney Completion Date: 11/30/94

2. Discrepancies between Paragraph 5.4.1 and Section 6 no longer exist in the current revision of QAP-3-2. No further corrective action is required.

All remedial actions and corrective actions will be completed by 11/30/94.

Interoffice Correspondence Civilian Radioactive Waste Management System Management & Operating Contractor

page lof2

ATTACHMENT I

TRW Environmental Safety Systems Inc.

OA: N/A

Subject Records Coordinators Date September 21, 1994 VA.RM.AT.9/94.140

From Luss R. Robertson

To Distribution cc D. Foust R. Godman A. Kubo Location/Phone TES1/8580 703.204-8600

Beginning in January of this year, the Vienna Information Management Services Office and the Las Vegas Support Operations group have carried out several initiatives designed to increase awareness by M&O staff of their responsibilities with respect to Federal records and records inclusionary to the central OCRWM Records Management System. These initiatives have been motivated by a recognition of the M&O's contractual and regulatory requirements as well as the compelling need to ensure that records required for repository licensing have been properly identified, captured and processed.

Although this training has achieved many favorable results, and will continue to be offered, many M&O staff do not properly manage the records that they generate or receive nor turn over the inclusionary records to the Records Management System as part of their daily work routine. Furthermore, many records that are turned over contain avoidable errors due to lack of attention to detail, failure to comply with written procedures and "blind" approval of records/records packages by authenticators. One of the outcomes of this situation was the recent generation of a trending Corrective Action Report that was assigned to the Records Management organization, citing numerous failures on the part of record sources to properly create, complete and turnover records.

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ATTACHMENT Page 20F2

Duties of Records Coordinators

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Share observations with the Records Management organization on ways to improve work flows, policies, procedures and systems based on the user perspective.

Act as a conduit between the line organization and the Records Management organization in all matters concerning Records Management and Document Control.

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CORRECTIVE ACTION REQUEST (CONTINUATION PAGE)

VERIFICATION OF CORRECTIVE ACTION FOR CAR YM-94-053

YMOAD staff reviewed interoffice correspondence LV.ESSD.MDL.11/94.369 from Manny DeLeon to Gail Abend dated November 29, 1994 documenting the reconstruction of the Design Verification Package for Design Package 1B. YMOAD staff reviewed the Document Review Records submitted by Russell E. Flyer, dated 12/03/93; Mark Zdrojewski, dated 12/14/93; David Barreres, dated 12/06/93; and Tim Albright, dated 11/12/93. The DRRs indicate that a design verification had been completed of Package 1B. However, YMOAD staff noted that no comments were submitted by a reviewer from the M&O Quality Assurance organization. After reviewing the reconstructed Design Team Selection Record and following discussions with Manny DeLeon (M&O ESF Surface Design), it was determined that no representative from the Quality Assurance Organization had conducted the review as .required. YMOAD staff reviewed the reconstructed Verification Review Memorandum of Design Package 2C; the reconstructed Verification Review Memorandum states that 1B documents were determined to be non-quality affecting and therefore the lack of the Quality Assurance organization review did not adversely impact the document. The documentation reviewed satisfactorily closed the remedial action commitments for this CAR.

The M&O committed to assigning a Records Coordinator for facilitating submission of Records Packages. YMQAD staff interviewed Tom Ferguson, the records coordinator for MGDS design organization, and confirmed that he was knowledgeable of the responsibilities of the position.

YMQAD staff noted that several of the DRRs reviewed did not have any indication of the quality affecting status appropriately indicated. This is part of the deficiency identified in CAR YM-94-052; as noted in the verification statement of YM-94-052, dated 12/19/94. CAR YM-94-052 will remain open until those deficiencies are corrected.

The M&O committed to providing lessons learned training against all Corrective Action Requests relating to Records Package as part of the Corrective Action to Preclude Recurrence. The M&O Design Organization has not completed this training. Therefore, all Corrective Action to Preclude Recurrence could not be satisfactorily verified. CAR YM-94-053 will remain open until this action is complete.

Robert L. Howard, QAR

Exhibit QAP-16.1.2

Rev. 06/27/94

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		ACTION REQU	EST (CONTINU	JATION PAGE)		
Amended Response to ans	wer unsatisfactory ver	ification			•	
Lessons learned briefings					The briefings wi	li be
conducted by G. Heaney a	nd these briefings will	be completed by I	March 24, 1995.			
Milling	1/18/95					
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Verification of Corrective Action for YM-94-053

YMQAD staff reviewed the Training Attendance Records and Lesson Plan for QAP-3-10 Revision 5 and Lessons Learned for Records Packages dated 1/27/95. YMQAD staff verified that MGDS personnel who handle records attended the lessons learned training for CAR YM-94-053. Corrective Action for CAR YM-94-053 is considered complete.

Robert L. Howard, QAR

Date