



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

DEC 18 1995

L. Dale Foust
Technical Project Officer
for Yucca Mountain Site
Characterization Project
TRW Environmental Safety Systems, Inc.
101 Convention Center Drive, Suite P-110
Las Vegas, NV 89109

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF DEFICIENCY
REPORT (DR) YMQAD-95-D011 RESULTING FROM YUCCA MOUNTAIN
QUALITY ASSURANCE DIVISION'S (YMQAD) AUDIT YM-ARP-95-19 OF
THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM MANAGEMENT
AND OPERATING CONTRACTOR (SCPB: N/A)

The YMQAD staff has verified the corrective action to DR
YMQAD-95-D011 and determined the results to be satisfactory.
As a result, the DR is considered closed.

If you have any questions, please contact either Robert B.
Constable at 794-7945 or Franklin B. Smith at 794-7212.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-775

Enclosure:
YMQAD-95-D011

cc w/encl:
T. A. Wood, HQ (RW-14) FORS
J. G. Spraul, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
R. L. Strickler, M&O/TRW, Vienna, VA
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

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

8 Performance Report
 Deficiency Report
NO. YMPQAD-95-D-011
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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document: YAP-SIII.2Q, Revision 0
2 Related Report No. YM-ARP-95-19

3 Responsible Organization: M&O
4 Discussed With: Alden Segrest

5 Requirement/Measurement Criteria:
Section 5.4.1, b) states, "To request or retrieve data from the YMP TDB, the Affected Organization:
b) submits a written request for information to the appropriate YMP TDB Administrator."

6 Description of Condition:
Contrary to the above requirement, there is no objective evidence that TDIF #303124 was retrieved from the TDB in accordance with the above referenced procedure. Specifically, there is no objective evidence that the M&O submitted a written request to the YMP TDB Administrator.

7 Initiator John Pelletier 8/31/95
Date 08/31/95
9 QA Review John Pelletier 8/31/95
Date 08/31/95
QAR John Pelletier

10 Response Due Date 20 days after issuance
11 QA Issuance Approval
QAR (PR)/AOQAM (DR) Date 9.5.95

12 Remedial Actions:
TDIF 303124, Rev. 1 will be requested through the YAP-SIII.2Q system. When the report is received through the YAP-SIII.2Q procedure, a comparison will be made with the Scoping Analysis to ensure that we used the correct data.

13 Remedial Action Response By: [Signature] October 4, 1995
Date
14 Remedial Action Due Date October 31, 1995
Date

15 Remedial Action Response Acceptance QAR N/A Date
16 PR Verification/Closure [Signature] 12/15/95
Date 12-15-95

10/4/95 LV.MG.AMS.10/95-147

ENCLOSURE

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

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DEFICIENCY REPORT

17 Recommended Actions:

- 1) Investigate to determine the extent of deficiency identified in Block 6.
- 2) Evaluate the impact of obtaining technical data without complying with YAP-SIII.2Q.
- 3) Provide a corrective action plan to ensure future acquisitions of data from the TDB are in accordance with YAP-SIII.2Q.

18 Investigative Actions:

SEE CONTINUATION PAGE 3 OF 3
JFV
10-4-95

19 Root Cause Determination:

**SIGN
HERE**

20 Action to Preclude Recurrence:

SEE CONTINUATION PAGE 3 OF 3
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| | |
|---|--|
| 21 Response by: <i>[Signature]</i> Date <i>10/4/95</i> | 22 Corrective Action Completion Due Date: October 21, 1995 |
| 23 Response Accepted QAR <i>[Signature]</i> Date <i>10/5/95</i> | 24 Response Accepted AOQAM <i>[Signature]</i> Date <i>10-12-95</i> |
| 25 Amended Response Accepted QAR _____ Date _____ | 26 Amended Response Accepted AOQAM _____ Date _____ |
| 27 Corrective Actions Verified QAR <i>[Signature]</i> Date <i>12/13/95</i> | 28 Closure Approved by: AOQAM <i>[Signature]</i> Date <i>12-15-95</i> |

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PR/DR CONTINUATION PAGE

18. Investigative Actions:

The condition identified in Block 6 was not applicable to TDIF 303124. Data was needed to support the design support analysis for the TS North Ramp Ground Support Scoping Analysis. The needed data did not exist in the TDB at that time. In accordance with the established system for obtaining data from the laboratories, SNL was requested to provide a bounding analysis for thermal and seismic loading. This request was documented in a letter from R. Sandifer to L. Shepherd, dated October 25, 1993 (LV.ESSB.SB. 10/93-531). ✓

The data used in the analysis was received from SNL under a cover letter from L. Shepherd to A. Segrest, dated January 18, 1994 (LV.ESSB.JHP.1/94-517). An M&O review of the information was made, some deficiencies to be corrected were noted, and these were transmitted to SNL.

YAP-SIII.2Q did not exist at the time. It became effective March 7, 1994, superseding AP-5.2Q. M&O QAP-3-12 existed, but it was not applicable to the Laboratories at that time. To acquire the needed data in a timely manner, a direct request was made to SNL.

20. Action to Preclude Recurrence:

A review will be made of current "Q" analyses to determine which TDIFs are used as inputs. Then a request will be made, through the YAP-SIII.2Q process, to obtain the inputs, and compare with the data in the analyses to ensure correctness (for those TDIFs available from the TDB). Additionally, the following primary TDIF users will complete documented training in YAP-SIII.2Q (if not already accomplished):

John Pye
Mary Woods
Bill Kennedy
Saeed Bonabian
Rick Nolting
Kal Bhattacharyya
Mal Taylor

These actions will be completed by October 21, 1995.

To: Pete Smith
cc: Robert Constable
From: Alan Rabe
Date: 12/06/95 09:47:12 AM
Subject: CAR 95-050

I attended the meeting on the subject CAR in Spence's office last Friday, Dec. 1. Attendees included Spence, Constable, myself, Craun, Segrest, Newberry and Bodnar. Here is some feedback from that meeting for you to consider in your review for closure.

1. Alden said that he thinks he had met the letter of the response and was ready for closure, although he was not sure if all of the "spirit" was there. He said that all 40 had been requested, but that 9 or 10 had not been available. Therefore, he was able only to process all those he had received.
2. Newberry said that there never was a violation. The data did not need to be requested from the TDB, but could be gotten from anywhere. Segrest noted that the data he got was a newer revision than what was available in the TDB. Claudia identified that the auditor had written up non-compliance with YAP-SIII.2Q, but that it was not the right procedure. What had been done was in compliance with YAP-SIII.3Q. Segrest request for data was acceptable by memo, and the important thing was that the lab had filled out a TDIF before it was sent. Therefore, both Sandia and Segrest had followed the proper procedure. (Although Segrest noted in the meeting he had not been aware of it.)
3. I suggested that Segrest identify if he was ready for closure or needed to revise his response. Segrest said he wanted to review YAP-SIII.3Q before he responded. He expected to be able to respond on the same afternoon, or at least by Monday, Dec. 4.
4. It was agreed that an extension request was probably not necessary at this point.

From our conversation today regarding Segrest's call, I think it is necessary for you to see if completion of the existing response can be verified. If so, then closure could be initiated with a note that also refers to the meeting. If however, the actions identified in the response are not complete, then an amended response will be necessary before closure.

Verification Statement - YMQAD-95-D-011

The M&O provided a package of objective evidence which will be included with this deficiency report (DR) record package.

18. Investigative Actions:

This objective evidence was generated to specifically address the issues raised by this DR. It provides evidence that the data in question on this DR was obtained from Sandia National Laboratory and was considered "qualified data" fully suitable as design input.

20. Action to Preclude Recurrence:

The objective evidence package provides documentation of completion of action to preclude recurrence as documented on the DR.

In addition, the package provides objective evidence that "primary TDIF users" were also trained to YAP-SIII.3Q which is the most appropriate procedure in place controlling the transfer of data of the type addressed by this DR.

Verified by: Franklin B. Smith Date: 12-13-95