



Department of Energy  
Washington, DC 20585

QA: L

OCT 21 1997

L. D. Foust, Technical Project Officer  
for Yucca Mountain Site  
Characterization Project  
TRW Environmental Safety Systems, Inc.  
1180 Town Center Drive, M/S 423  
Las Vegas, NV 89134

EVALUATION OF RESPONSE TO DEFICIENCY REPORT (DR) YM-97-D-080  
RESULTING FROM AN OBSERVATION MADE BY NICHOLAS D. SUDAN

The OQA staff has evaluated the response to DR YM-97-D-080. The response has been determined to be satisfactory. However, please note that during the verification process an additional sample of the 28 referenced technical documents will be reviewed. 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 that date.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or Craig J. Barnes at (702) 295-2813.

Donald G. Horton, Director  
Office of Quality Assurance

OQA:JB-0098

Enclosure:  
DR YM-97-D-080

cc w/encl:  
T. A. Wood, DOE/HQ (RW-55) FORS  
J. O. Thoma, NRC, Washington, DC  
S. W. Zimmerman, NWPO, Carson City, NV  
B. R. Justice, M&O, Las Vegas, NV  
R. A. Morgan, M&O, Las Vegas, NV  
N. D. Sudan, M&O, Las Vegas, NV

cc w/o encl:  
W. L. Belke, NRC, Las Vegas, NV  
C. J. Barnes, OQA/QATSS, Las Vegas, NV, M/S 280  
D. G. Sult, OQA/QATSS, Las Vegas, NV  
R. W. Clark, DOE/OQA, Las Vegas, NV

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PDR WASTE  
WM-11 PDR

Recap: NMSS/PAMC



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wm-11

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

8  Performance Report  
 Deficiency Report  
NO. YM-97-D-079080  
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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document: QAP-3-5, with the activity initiated under Rev. 6, completed under Rev. 7  
2 Related Report No. n/a

3 Responsible Organization: Repository Design  
4 Discussed With: Dave Padula, Martin Haas, Mary Woods, C. Barry Thom

5 Requirement/Measurement Criteria:  
QAP-3-5, Revision 6, Section 5.3.4A directs the Technical Document Preparer to resolve all comments generated by all reviewers before completing the review of a technical document. In addition, in QAP-3-5, Revision 7, Section 5.4A, the Responsible Manager is directed to review the technical document for completeness in accordance with QAP-3-5 before approving the document.

6 Description of Condition:  
The Radiation Repository Shielding Design Guide, BC0000000-01717-2500-00001, Revision 00 was approved without resolving all comments. Comments submitted by Nicholas D. Sudan on 5/27/97 for the Systems Engineering/Requirements Management group were not resolved with the reviewer and were not incorporated into the final document prior to approval.

7 Initiator N. D. Sudan *NDS* Date 8/12/97  
9 Is condition an isolated occurrence?  Yes  No  Unknown; Must be Yes if PR

10 Recommended Actions: (Not required for PR)  
Complete comment resolution in accordance with QAP-3-5, Rev.7 for excluded comments. Generate a DCN or revise the technical document to address any changes, and distribute to affected parties for review.  
Determine the impact of changes or omissions in the technical document.  
Review a sample of technical documents generated prior to the referenced issue to determine if this is an isolated incident.  
Determine corrective action to prevent recurrence.

11 QA Review: QAR *C. Barry Thom* Date 8/13/97  
12 Response Due Date 20 working days from issuance

13 Director, QQA Issuance Approval: (QAR for PR)  
Printed Name Donald G. Horton Signature *R.W. Coe* for Date 8/25/97

22 Corrective Actions Verified QAR Date  
23 Closure Approved by: (N/A for PR) DOQA Date

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

PR/DR NO. YM-97-D-080  
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**PERFORMANCE/DEFICIENCY REPORT RESPONSE**

**14 Remedial Actions:**

The document will be changed to ensure all comments are resolved, incorporated or elevated for resolution. The change will be done in accordance with QAP-3-5, Rev. 7.

**15 Extent of Condition: (Not required for PR)**

The item reported on the deficiency was confirmed to be valid. Two additional technical documents (selected from the approximately 28 existing) from the Repository Department will be reviewed for a similar problem; findings will be documented in an IOC and used for objective evidence for closure of this deficiency.

**16 Root Cause Determination: (Not required for PR)** Required:  Yes  No

It appears that this deficiency is limited to the subject document, therefore no Root Cause Analysis will be done.

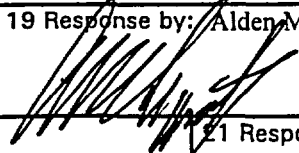
**17 Action to Preclude Recurrence: (Not required for PR)** Required:  Yes  No

The MGDS Development Manager will bring this to the attention of his Department Managers during a regular staff meeting. He will follow up with an IOC to the MGDS Development Managers and their direct reports emphasizing the importance of addressing comments, completing the Technical Document Review Summary, and making sure that all comments are satisfactorily resolved prior to the approval and issuance of any technical document or design product. The manager's responsibilities will also be emphasized with regard to QAP-3-5, Rev. 7 Section 5.4A -- "review the document for completeness..."

**18 Corrective Action Completion Due Date:**

10/22/97

**19 Response by:** Alden M. Segrest

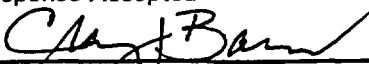


Date 9/17/97

Phone (702)295-4416

**20 Response Accepted**

QAR

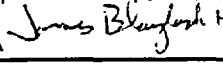


Date

9/29/97

**21 Response Accepted (N/A for PR)**

DOQA



Date

11/5/97