



Department of Energy

Washington, DC 20585

DEC 23 1996

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for Yucca Mountain Site
Characterization Project
TRW Environmental Safety Systems, Inc.
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Las Vegas, NV 89109

EVALUATION OF RESPONSE TO DEFICIENCY REPORT (DR) YM-97-D-005 RESULTING FROM OFFICE OF QUALITY ASSURANCE (OQA) SURVEILLANCE YMP-SR-96-028

The OQA staff has evaluated the response to DR YM-97-D-005. 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 that date. Please send a copy of extension requests to Deborah G. Sult, OQA/QATSS, P.O. Box 98608, Mail Stop 455, Las Vegas, Nevada 89193-8608.

If you have any questions, please contact either Mario R. Diaz at (702) 794-1489 or John R. Doyle at (702) 794-1465.

James Blaylock
Donald G. Horton, Director
Office of Quality Assurance

OQA:MRD-0577

Enclosure:
DR YM-97-D-005

cc w/encl:
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OFFICE OF CIVILIAN
RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.8 ☐ Performance Report
☒ Deficiency Report

NO. YM-97-D-005

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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:
Quality Assurance Requirements and Description (QARD) DOE/RW-0333P, Rev 52 Related Report No.
YMP-SR-96-0283 Responsible Organization:
CRWMS M&O4 Discussed With:
Andrew Burningham, Ned Elkins5 Requirement/Measurement Criteria:
QARD Subsection 2.2.10 Document Review Para. 2.2.10 E 1 states :

"Each organization or technical discipline affected shall review the document according to the established review criteria. Changes to the document shall be reviewed by those organizations or technical disciplines affected by the change."

In addition, Para. 2.2.10 E 2 States " The Affected Organizations QA organization shall review implementing documents that translates the QARD into work processes as described in subsection 2.2.1, Quality Assurance Program Documents. The QA organization shall also review changes to documents if they reviewed the previous version, regardless of whether the QA organization is affected by the change. "

6 Description of Condition:

1. Contrary to the above requirements, Field Work Package FWP-ESF-96-003 R.1 "Thermal Testing in the Exploratory Studies Facility - Phase I " calls out the specific scope definitions for the ESF Constructor to provide underground labor, and equipment to conduct scientific test operations in the Thermal Test Facility. Kiewitt/Parsons Brinkerhoff (K/PB) QA was not included in the FWP review and approval process.

2. FWP-ESF-96-003 para. 3.1 states " ... The sequence of Q activities may be modified by the ESF TCO FTC based on conditions in the field, provided those modifications are documented". Thereby not affording affecting organizations the opportunity to review changes.

7 Initiator

John R. Doyle

Date 10/18/96

9 Is condition an isolated occurrence?

☐ Yes ☒ No ☐ Unknown; Must be Yes if PR

10 Recommended Actions: (Not required for PR)

Include K/PB in the review and approval process of FWPs. Review existing FWPs to determine if there is an impact on quality affecting activities. Revise FWP process to preclude adverse condition item 2.

11 QA Review

QAR John R. Doyle

Date 10/18/96

12 Response Due Date

20 working days from issuance

13 Affected Organization QA Manager Issuance Approval: (QAR for PR)

Printed Name

Richard E. Science

Signature



Date 10/31/96

22 Corrective Actions Verified

QAR

Date

23 Closure Approved by: (N/A for PR)

AOQAM

Date

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

PR/DR NO. YM-97-D-005
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PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

1. The Constructor will check FWP-ESF-96-003 to determine identify any adverse impacts from not having been on the original review.
2. The statement in FWP-ESF-96-003 (and other FWPs identified in block 15) regarding the FTC modifying sequence of activities will be deleted, or revised requiring affected organizations concurrence with such modifications. The statement in section 6.1 of the FWP regarding grading of activities in the field will be removed.

15 Extent of Condition: (Not required for PR)

1. The constructor has agreed to check all existing FWPs to determine if any adverse conditions have resulted from their lack of participation in the formal review process. Recommendations for revisions to FWPs resulting from this check will be forwarded to the TCO.
2. All current FWPs were reviewed to determine if they allow the FTC to modify the sequence of activities. FWPs 002, 004, 005, and 006 have similar wording.

16 Root Cause Determination: (Not required for PR)

Required

☐

Yes

☒

No

17 Action to Preclude Recurrence: (Not required for PR)

Required

☒

Yes

☐

No

1. The Constructor will review all future FWP for which the are an affected organization or will formally designate a reviewer to act on their behalf.
2. The TCO reviewer for future FWPs will either ensure the statement regarding modification to the sequence of activities are deleted from FWPs or require the concurrence of the organizations affected.

The SPO manager will ensure all above corrective actions are completed by June 28, 1997.

18 Corrective Action Completion Due Date:

6/28/97

19 Response by:

☐

Initial

☐

Amended

Larry R. Hayes

Larry Hayes

12/3/96

Phone

5-5152

20 Response Accepted

QAR

John N. Doyle

Date

12/17/96

21 Response Accepted (N/A for PR):

AODAM

James Blaylock

Date

12/19/96

NO COVER LETTER RSD 12/6/96