



Department of Energy

Washington, DC 20585

JAN 22 1997

L. D. 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 DEFICIENCY REPORT
(DR) YM-96-D-033 RESULTING FROM OFFICE OF QUALITY ASSURANCE (OQA)
SURVEILLANCE YMP-SR-96-008 OF LOS ALAMOS NATIONAL LABORATORY**

The OQA staff has verified the corrective action to DR YM-96-D-033 and determined the results to be satisfactory. As a result, the DR is considered closed.

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

R.W. Oel
for Donald G. Horton, Director
Office of Quality Assurance

OQA:MRD-0700

Enclosure:
DR YM-96-D-033

cc w/encl:
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J. A. Canepa, M&O/LANL, Los Alamos, NM
M. J. Clevenger, M&O/LANL, Los Alamos, NM
B. R. Justice, M&O, Las Vegas, NV
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cc w/o encl:
W. L. Belke, NRC, Las Vegas, NV
J. R. Doyle, OQA/QATSS, Las Vegas, NV
D. G. Sult, OQA/QATSS, Las Vegas, NV

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RADIOACTIVE WASTE MANAGEMENT
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Performance Report
 Deficiency Report
YM-96-D-033
NO. ~~YM-96-D-033~~
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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:
Quality Assurance Requirements and Description (QARD) DOE/RW-0333P, Rev. 5

2 Related Report No.
YMP-SR-96-008

3 Responsible Organization:
Los Alamos National Laboratory

4 Discussed With:
Alan Mitchell

5 Requirement/Measurement Criteria:

QARD Section 1.2, "Requirements," states: "Each Affected Organization shall prepare one or more controlled documents, accepted by the OCRWM Office of Quality Assurance, that describes internal and external organizational interfaces, organizational structures, requirements, and responsibilities for its scope of work."

QARD Subsection 1.2.3, "Responsibility for Quality," states, in part: "Quality shall be achieved and maintained by those who have been assigned responsibility for performing work...."

6 Description of Condition:
Contrary to the above requirement, a review of Job Package (JP) 92-20D, "Construction Monitoring in the Ramps, MTL Drifts and Alcoves," reveals that scopes of work are referenced to Reynolds Electrical & Engineering Co., Inc. (REECo) and Raytheon Services Nevada (RSN). REECo and RSN are no longer responsible for work on the Yucca Mountain Project.

7 Initiator
John R. Doyle Date 01/29/96

9 QA Review
John R. Doyle Date 2/2/96

10 Response Due Date
20 WORKING DAYS FROM ISSUANCE

11 QA Issuance Approval
Date 2-8-96

12 Remedial Actions:

JPs 92-20D, 92-20E, and 94-21 will be replaced to reflect current/generic organization titles. The Deputy TPO is responsible for implementing this action.

13 Remedial Action Response By:
Ned Elkins Date 3/6/96

14 Remedial Action Due Date
Date 12/2/96

15 Remedial Action Response Acceptance
QAR Date

16 PR Verification/Closure
QAR N/A Date

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DEFICIENCY REPORT

17 Recommended Actions:

Revise JP 92-20D to reflect current scopes of work.

Investigate to determine like deficiencies, correct those found to be deficient, and report results thereof.

18 Investigative Actions:

All JPs for which the ESF TCO is the Project Engineer were reviewed for similar conditions. Four other JPs exhibit similar conditions. JPs 93-10 and 93-10A are being closed-out and JPs 92-20D, 92-20E, and 94-21 will be replaced. Since September 1995 generic organizational titles have been used which will prevent similar conditions in the future. The significance of this DR does not warrant a root cause analysis.

19 Root Cause Determination:

N/A

20 Action to Preclude Recurrence:

N/A

21 Response by:

[Signature] Date 3/15/96

22 Corrective Action Completion Due Date:

12/2/96

23 Response Accepted

QAR *[Signature]* Date 3/20/96

24 Response Accepted

AOQAM *[Signature]* Date 3-25-96

25 Amended Response Accepted

QAR N/A Date

26 Amended Response Accepted

AOQAM N/A Date

27 Corrective Actions Verified

QAR *[Signature]* Date 1/8/97

28 Closure Approved by:

AOQAM *[Signature]* Date 1/16/97



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**L. D. Foust, Technical Project Officer
for Yucca Mountain Site
Characterization Project
TRW Environmental Safety Systems, Inc.
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101 Convention Center Drive
Las Vegas, NV 89109**

**ISSUANCE OF SURVEILLANCE RECORD YMP-SR-97-005 RESULTING FROM OFFICE
OF QUALITY ASSURANCE (OQA) SURVEILLANCE OF CIVILIAN RADIOACTIVE
WASTE MANAGEMENT SYSTEM MANAGEMENT AND OPERATING CONTRACTOR
(CRWMS M&O) AND LOS ALAMOS NATIONAL LABORATORY (LANL)**

Enclosed is the record of Surveillance YMP-SR-97-005 conducted by OQA at the CRWMS M&O and the LANL facilities at the Yucca Mountain Site, Nevada, December 10, 1996.

The purpose of the surveillance was to verify corrective action to Deficiency Report YM-96-D-033. It was determined during the course of the surveillance that all corrective actions have been satisfactorily verified.

This surveillance is considered completed and closed as of the date of this letter. A response to this surveillance record is not required.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or John R. Doyle at (702) 794-1465.

A handwritten signature in black ink, appearing to read "Donald G. Horton".

**Donald G. Horton, Director
Office of Quality Assurance**

OQA:JB-0624

**Enclosure:
Surveillance Record YMP-SR-97-005**



JAN 0 8 1997

L. D. Foust

-2-

cc w/encl:

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T. A. Wood, DOE/HQ (RW-55) FORS
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Records Processing Center = "7"

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 RADIOACTIVE WASTE MANAGEMENT
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QUALITY ASSURANCE SURVEILLANCE RECORD

SURVEILLANCE DATA

| | | |
|--|---|---|
| 1. ORGANIZATION/LOCATION: Los Alamos National Laboratories (LANL) Yucca Mountain Site | 2. SUBJECT: YM-96-D-033 Corrective Action Verification | 3. DATE: December 10, 1996 |
| 4. SURVEILLANCE OBJECTIVE: Verification of Corrective Action to Deficiency Report YM-96-D-033 | | |
| 5. SURVEILLANCE SCOPE: Verification by record review that corrective actions to YM-96-D-033 are satisfactory for closeout. | | 6. SURVEILLANCE TEAM: Team Leader: John R. Doyle Additional Team Members: N/A |
| 7. PREPARED BY: John R. Doyle Surveillance Team Leader | 8. CONCURRENCE: N/A QA Division Director | Date 12/11/96 Date |

SURVEILLANCE RESULTS

9. BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:

A surveillance was performed on December 10, 1996, at the Field Operations Center's (FOC), Document Records Center (DRC) to verify completion of corrective action relative to Deficiency Report (DR) YM-96-D-033. Subject DR was generated as a result of Surveillance YM-SR-96-008 and identified that Job Packages (JPs) delineated scopes of responsibility and work activities for affected organizations no longer associated with the project. For example JP 92-20D "Construction Monitoring in the Exploratory Studies Facility," identified Reynolds Electric and Engineering Company (REECo) and Raytheon Services of Nevada (RSN) as having a scope of responsibility for work activities when in fact the activities now belonged to Kiewit/Parsons Brinckerhoff (K/PB) and the Civilian Radioactive Waste Management System, Management and Operating Contractor (CRWMS/M&O). Surveillance YM-96-008 was performed on January 4-11, 1996. REECo and RSN were replaced by K/PB and the M&O at the conclusion of fiscal year 1995.

This surveillance consisted of personnel interviews and documentation reviews to assure that the JPs have been revised, as committed within the response to DR YM-96-033, to delineate the correct contractor who was responsible for the work.

(see page 2)

10. SURVEILLANCE CONCLUSIONS:

Based on personnel interviews and documentation reviews, it has been determined that LANL is effective and adequate in the completion of corrective action to YM-96-D-003. This DR is considered closed.

| | |
|--|---|
| 11. COMPLETED BY: John R. Doyle Surveillance Team Leader | 12. APPROVED BY: [Signature] QA Division Director |
| Date 12/24/96 | Date 1/7/97 |

Block 9 (continued) BASIS FOR EVALUATION/DESCRIPTION OF OBSERVATIONS:

Five Job Packages were identified through investigative actions for YM-96-D-033 to have incorrect organizational interfaces. Two of these Job Packages, Job Package 93-10, "Engineered Barrier, Large Block Experiment Site Preparation (Phase I)," and 93-10A, "Engineered Barrier for Large Block Experiment Test Construction (Phase II)," have been closed out since the surveillance and do not require revision.

As per Yucca Mountain Procedure (YAP) 5.7Q, "ESF Testing Work Packages" Paragraph 1.0, ".....JP will be decontrolled and replaced with a controlled M&O approved Field Work Packages (FWP) if a change or revision is required." Verified through reviews of controlled in the Document Records Center (DRC) at the Field Operations Center (FOC), that the remaining three Job Packages have been revised to reflect current organizational responsibilities.

The following Job Packages have been replaced by Exploratory Studies Facility (ESF) FWPs. Verified correct organizational responsibilities in Paragraph 1.2.1 of the following:

- JP 92-20D, "Construction Monitoring in the Exploratory Studies Facility," replaced with FWP-ESF-96-002, "Construction Monitoring in the Exploratory Studies Facility," Revision 0
- JP 92-20E, "HydroChemistry Tests in Alcove 1," replaced with FWP-ESF-008, "HydroChemistry Tests in the Exploratory Studies Facility," Revision 0
- JP 94-21, "Hydrologic Properties of Major Faults Encountered in the ESF," replaced with FWP-ESF-96-006, "Hydrologic Properties of Major Faults Encountered in the ESF," Revision 1

PERSONNEL CONTACTED DURING THE COURSE OF THE SURVEILLANCE:

Alan Mitchell, Test Planning Specialist, LANL
Andrew Burningham, Quality Assurance Liaison, CRWMS/M&O
Scott Bowlinger, Manager DRC, CRWMS/M&O

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PR/DR CONTINUATION PAGE

Verification of Corrective Action for Deficiency Report YMQAD-96-D-033

A. Remedial Action

See Surveillance Report SR-YM-97-005

B. Investigative Action

See Surveillance Report SR-YM-97-005

C. Root Cause Determination

None Required

D. Action to Preclude Recurrence

None Required

Verification of Corrective Actions to this DR are considered Complete

This DR is considered closed

QAR: John R. Doyle

John R. Doyle

Date: 1/8/97