



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

OCT 03 1996

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Project Manager
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**EVALUATION OF RESPONSE TO DEFICIENCY REPORT (DR) YM-96-D-091,
REVISION 1, RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE
(YMQA) SURVEILLANCE YMP-SR-96-022**

The YMQA staff has evaluated the response to DR YM-96-D-091, Revision 1. 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, YMQA/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 Daniel J. Tunney at (702) 794-1353.

Richard E. Spence
Yucca Mountain Quality Assurance

YMQA:MRD-2741

Enclosure:
DR YM-96-D-091, Revision 1

cc w/encl:
J. G. Spraul, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
Patricia Pytel, M&O, Las Vegas, NV
E. R. Cooper, DOE/YMSCO, NV
Records Processing Center

cc w/o encl:
W. L. Belke, NRC, Las Vegas, NV
D. G. Sult, YMQA/QATSS, Las Vegas, NV
D. J. Tunney, YMQA/QATSS, Las Vegas, NV
D. G. Horton, DOE/OQA, Las Vegas, NV

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Recip: Nuss/Hurk

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☒ Deficiency Report
NO. YM-96-D-091, Rev. 1
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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document: YMP/TPP T-93-8, Revision 0; YMP/TPP 92-13, Revision 2; YMP/JP 94-21, March 1995; YMP/JP 95-1, Revision 1	2 Related Report No. YMP-SR-96-022
3 Responsible Organization: U.S. Department of Energy(DOE)/Assistant Manager for Scientific Programs (AMSP)	4 Discussed With: A. G. Burningham, D. L. Edwards, A. J. Mitchell

5 Requirement/Measurement Criteria:

- a. Test Planning Packages YMP/TPP T-93-8, 8.2, second paragraph, and YMP/TPP 92-13, 8.2, second paragraph, state, "The following Quality Assurance Grading Reports (QAGR) associated with the testing activities have been approved:

PARTICIPANT	QAGR	WBS	SUBJECT
USGS	G1233124	1.2.3.3.1.2.4	Char of YM Perc in the Unsat Zone-ESF"

- b. Job Packages YMP/94-21, A.1.b, last paragraph, and YMP/JP 95-1, A.1.b, last paragraph, state, "USGS will operate under the following QAGR:

PARTICIPANT	QAGR	WBS	SUBJECT
USGS	G1233124	1.2.3.3	Char of YM Perc in the Unsat Zone-ESF"

6 Description of Condition:

QAGR G1233124 has been cancelled. Work is being performed in accordance with Job Packages YMP/JP 95-1 and YMP/JP 94-21 which direct that operations be conducted in accordance with a cancelled QAGR.

7 Initiator Daniel J. Tunney Date 8/26/96	9 Is condition an isolated occurrence? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown; Must be Yes if PR
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10 Recommended Action: (Not required for PR)

- a. Correct the above listed job packages and test planning packages.
- b. Evaluate whether similar deficiencies exist, identify any similar deficiencies, and correct these.
- c. Evaluate whether the deficient conditions have an impact on any work performed and if affected, take appropriate corrective measures.

11 QA Review: QAR Daniel J. Tunney Date 8/26/96	12 Response Due Date 20 Working Days from Issuance
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13 Affected Organization QA manager Issuance Approval: (QAR for PR) Printed Name RESPERNCE Signature Robert B. Dantabro Date 8-27-96

22 Corrective Action Verified QAR Date	23 Closure Approved by: (N/A for PR) AOQAM Date
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PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

There are three groups that have prepared Job Packages & Test Planning Packages: Surface-Based Testing, ESF Testing & CMO (Design & Construction). The process of performing work/testing is now done under new procedures (Field Work Package) for Surface-Based Testing (YAP 2.11Q) & ESF Testing (YAP 5.11Q). A new procedure for CMO is being formulated & is expected to be issued within two months.

The Surface-Based Testing group has a target date of October 1, 1996, to close out all but two JPs issued under the old procedure. These two will be converted or completed.

(Continued next page)

15 Extent of Condition: (Not required for PR)

Since work on the project resumed in 1991 of total of 84 JPs have been issued. Of these 48 had been closed out as of August 15, 1996. Several more have been closed out since August 15, 1996. The Surface Based group began noting that obsolete QAGRs were no longer in use in February 1994 due to a revision of their JP process. There are likely no active JPs from Surface Based group that contain a reference to obsolete QAGRs. There is very little Surface-Based work currently under TPPs. The ESF group has approximately ten open JPs/TPPs & there is a reasonable chance that any of their open JPs/TPPs could contain a reference to the obsolete QAGRs. The CMO group has about seven open JPs, & may or may not contain the obsolete reference.

(Continued next page)

16 Root Cause Determination: (Not required for PR)

Not required to remedy the deficiency.

Required ☐ Yes ☒ No

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

Required ☐ Yes ☒ No
No further actions need be taken to preclude recurrence. The three new procedures that govern work for the various groups are either in place or are being prepared. The new process will preclude reference to obsolete QAGRs.

18 Corrective Action Completion Due Date:

January 31, 1997

19 Response by:

☒ Initial
☐ Amended

Date 9/20/96

Phone 702-295-7825

20 Response Accepted

QAR

James A. Jones

Date

9/23/96

21 Response Accepted (N/A for PR):

AOQAM

Date

10/1/96

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PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions cont'd:

The ESF Testing group has set an internal target date to close out or convert all JP's/TPPs by October 28, 1996.

The CMO group (Design & Construction group) is on top of their Job Packages & plans to convert as soon as possible after their new procedure is in place (expected November or December 1996). Once their new Field Work Package procedure is in place the old procedures governing JP's and TPPs will be obsolete.

In association with obsoleting the governing documents, the Surface-Based group plans to obsolete all TPPs. Any Surface-Based work will require issuance of one of the new Field Work Packages.

Thus steps for ensuring that all facets of JP'S and TPPs are up to date are to convert active JP'S/TPPs to Field Work Packages, or obsolete JP'S/TPPs and require additional work to be done under a Field Work Package. This will ensure that there are no references to obsolete QAGRs.

A proposed target date for completion of the remedial actions is January 31, 1997, in order to allow time for the CMO & construction group to issue a new YAP governing work & to ensure that TPPs are obsoleted.

15 Extent of Condition and Impact cont'd:

There are 44 open TPPs that could contain outdated references.

The impact of the references to outdated QAGRs is thought to be nil because the relevant information is contained in the PACS system.

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PR/DR CONTINUATION PAGE

REVISION TO DEFICIENCY REPORT NO. DR YM-96-D-091

Justification:

The Responsible Organization is being changed from U.S. Geological Survey (USGS) to DOE/AMSP since DOE/AMSP is the responsible manager for the job packages.

Daniel Tunney
Daniel Tunney, QAR

8/26/96
Date

Robert B. Constable
Robert B. Constable, AOQAM

8.26.96
Date

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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:

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2 Related Report No.

YMP-SR-96-022

3 Responsible Organization:

DOE 8/21/96
U.S. Geological Survey (USGS) DOE/AMSP USGS

4 Discussed With:

A. G. Burningham, D. L. Edwards, A. J. Mitchell

5 Requirement/Measurement Criteria:

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6 Description of Condition:

QAGR G1233124 has been cancelled. Work is being performed in accordance with Job Packages YMP/JP 95-1 and YMP/JP 94-21 which direct that operations be conducted in accordance with a cancelled Quality Assurance Grading Report.

7 Initiator

Canceled
Daniel J. Tunney

Date 8/12/96

9 Is condition an isolated occurrence?

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

10 Recommended Action: (Not required for PR)

- a. Correct the above listed job packages and test planning packages.
b. Evaluate whether similar deficiencies exist, identify any similar deficiencies, and correct these.
c. Evaluate whether the deficient conditions have an impact on any work performed and if affected, take appropriate corrective measures.

" THIS DR REPLACED BY DR YM-96-D-091 REV. 1. " DEC 8-27-96

11 QA Review:

QAR Daniel J. Tunney

Date 8/12/96

12 Response Due Date

20 Working Days from Issuance

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

Printed Name RESPENCE

Signature Robert B. Burkhall

Date 8-14-96

22 Corrective Action Verified

QAR N/A

Date

23 Closure Approved by: (QAR for PR)

AOQAM Robert B. Burkhall

Date 8-27-96

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PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

15 Extent of Condition: (Not required for PR)

16 Root Cause Determination: (Not required for PR)

Required

☐ Yes

☐ No

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

Required

☐ Yes

☐ No

18 Corrective Action Completion Due Date:

19 Response by:

☐ Initial

☐ Amended

Date

Phone

20 Response Accepted

QAR

Date

21 Response Accepted (N/A for PR):

AOQAM

Date