



Department of Energy
Office of Civilian Radioactive Waste Management
Yucca Mountain Site Characterization Office
P.O. Box 98608
Las Vegas, NV 89193-8608
JUN 03 1996

Robert W. Craig
Acting Technical Project Officer
for Yucca Mountain
Site Characterization Project
U.S. Geological Survey
101 Convention Center Drive
Suite 860
Las Vegas, NV 89109

ISSUANCE OF DEFICIENCY REPORT (DR) YMQAD-96-D049, REVISION 1,
INITIALLY RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S
(YMQAD) AUDIT YM-ARC-96-10 OF U.S. GEOLOGICAL SURVEY (SCPB: N/A)

Enclosed is DR YMQAD-96-D049, Revision 1, which reflects a revised
Section 17, Recommended Actions. Please review this revision and
identify the corrective actions to be taken and implemented to
correct the deficiency. A DR Continuation Page has been provided.
Send the original of your response to Deborah Sult, YMQAD/QATSS,
P.O. Box 98608, Mail Stop 455, Las Vegas, Nevada 89193-8608.
Response to the DR is due 20 working days from the date of this
letter. Any extension to the due date must be requested in writing,
with appropriate justification, prior to the due date.

If you have any questions, please contact either Robert B. Constable
at 794-5580 or Mary G. McDaniel at 794-1468.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-1854

Enclosures:

1. DR YMQAD-96-D049, Revision 1
2. PR/DR Continuation Page

9606100057 960603
PDR WASTE PDR
WM-11

DH03 1/1
102.7
WM-11

Robert W. Craig

-2-

JUN 03 1996

cc w/encls:

J. G. Spraul, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
T. H. Chaney, USGS, Denver, CO
Records Processing Center

cc w/o encls:

W. L. Belke, NRC, Las Vegas, NV
M. G. McDaniel, YMQAD/QATSS, Las Vegas, NV
D. G. Sult, YMQAD/QATSS, Las Vegas, NV

100007

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

8 Performance Report
 Deficiency Report
NO. YMOAD-96-D049_R1
PAGE 1 OF 2
QA: L

PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document: YAP-15.1Q, Revision 2, ICN 1	2 Related Report No. YM-ARC-96-10
---	--------------------------------------

3 Responsible Organization: U. S. Geological Survey	4 Discussed With: W. Rodman
--	--------------------------------

5 Requirement/Measurement Criteria:
YAP-15.1Q, Section 2.0. states: "The procedure also applies to the evaluation and disposition of the validity of the results for items and samples as well as work products when Measuring and Test Equipment is found to be out of calibration."

6 Description of Condition:
Contrary to the above, YMP-USGS-QMP-12.01, Revision 6, Modification 2, does not require a Nonconformance Report to be prepared for each instance where Measuring and Test Equipment (M&TE) is found to be out of calibration, but allows for an alternative method to be used when specified within a technical procedure of Scientific Notebook.

7 Initiator Mary G. McDaniel <i>Mary G. McDaniel</i> Date <u>5/22/96</u>	9 QA Review QAR <i>Mary G. McDaniel</i> Date <u>5/22/96</u>
--	---

10 Response Due Date 20 working days from issuance	11 QA Issuance Approval <i>Robert B. Loustala</i> for QAR (PR)/AOQAM (DR) Date <u>5.31.96</u>
---	--

12 Remedial Actions:

13 Remedial Action Response By: Date	14 Remedial Action Due Date Date
---	-------------------------------------

15 Remedial Action Response Acceptance QAR Date	16 PR Verification/Closure QAR Date
--	--

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

8
DR NO. YMOAD-96-D049_RL
PAGE 2 OF 2
QA: L

MGM
5/22/96

DEFICIENCY REPORT

17 Recommended Actions:

Revise QMP-12.01 to comply with YAP-15.1Q.
Revise any technical procedures or Scientific Notebooks that provide for an alternative method of documenting and evaluating M&TE that is found to be out of calibration.

18 Investigative Actions:

19 Root Cause Determination:

20 Action to Preclude Recurrence:

21 Response by:

Date

22 Corrective Action Completion Due Date:

23 Response Accepted

QAR

Date

24 Response Accepted

AOQAM

Date

25 Amended Response Accepted

QAR

Date

26 Amended Response Accepted

AOQAM

Date

27 Corrective Actions Verified

QAR

Date

28 Closure Approved by:

AOQAM

Date

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

8 Performance Report
 Deficiency Report
NO. YMQAD-96-D049
PAGE 1 OF 2
QA: L

PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:
YAP-15.1Q, Revision 2, ICN 1

2 Related Report No.
YM-ARC-96-10

3 Responsible Organization:
U.S. Geological Survey

4 Discussed With:
W. Rodman

5 Requirement/Measurement Criteria:
YAP-15.1Q, Section 2.0. states: "The procedure also applies to the evaluation and disposition of the validity of results for items and samples as well as work products when Measuring and Test Equipment is found to be out of calibration."

6 Description of Condition:
Contrary to the above. YMP-USGS-QMP-12.01. Revision 6. Modification 2. does not require a Nonconformance Report to be prepared for each instance where Measuring and Test Equipment (M&TE) is found to be out of calibration. but allows for an alternative method to be used when specified within a technical procedure or Scientific Notebook.

7 Initiator
Marv G. McDaniel
Date 3/27/96

9 QA Review
QAR [Signature]
Date 3/29/96

10 Response Due Date
20 Working Days From Issuance

11 QA Issuance Approval
QAR (PRI/AOQAM (DR)) [Signature]
Date 4/10/96

12 Remedial Actions:

All active technical procedures and scientific notebooks where an alternate reporting method was used will be reviewed and if any unresolved conditions are found, an NCR will be initiated. These procedures and notebooks will be revised to delete the allowance for an alternate reporting method. All remedial actions will be completed within 60 days.

13 Remedial Action Response By: for R. W. Craig
[Signature]
Date 5/10/96

14 Remedial Action Due Date
July 9, 1996
Date

15 Remedial Action Response Acceptance
QAR
Date

16 PR Verification/Closure
QAR
Date

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

8
DR NO. YMQAD-96-D04905
PAGE 2 OF 2735244
QA: L [Signature]

DEFICIENCY REPORT

17 Recommended Actions:

Revise QMP-12.01 to comply with YAP-15.1Q.
Revise any technical procedures or Scientific Notebooks that provide for an alternative method of documenting and evaluating M&TE that is found to be out of calibration.
Review all documentation where an alternative method was used and if unresolved, initiate an NCR to document the conditions.)

18 Investigative Actions:

A memo to all Principal Investigators and Implementation Specialists has been prepared to determine which procedures and notebooks allow for alternate reporting methods. (Att. 1)

19 Root Cause Determination:

N/A

20 Action to Preclude Recurrence:

YMP-USGS-QMP-12.01 Instrument Calibration will be modified to remove the allowance for alternate reporting methods. (Att. 2)

21 Response by:

for R. W. Craig
Date 5/10/96

22 Corrective Action Completion Due Date:

July 9, 1996

23 Response Accepted

QAR

N/A

Date

24 Response Accepted

AOQAM

N/A

Date

25 Amended Response Accepted

QAR

N/A

Date

26 Amended Response Accepted

AOQAM

N/A

Date

27 Corrective Actions Verified

MGM 5/23/96

28 Closure Approved by:

AOQAM [Signature]

Date 5.24.96



United States Department of the Interior

GEOLOGICAL SURVEY⁴²⁵
BOX 25046 M.S. _____
DENVER FEDERAL CENTER
DENVER, COLORADO 80225

QA: L

May 8, 1996

IN REPLY REFER TO:

MEMORANDUM

TO: DISTRIBUTION

FROM: T. H. Chaney, Quality Assurance Manager
Yucca Mountain Project *THC*

SUBJECT: Deficiency Report YMQAD-96-D049

Deficiency Report YMQAD-96-D049 was written because USGS-QMP-12.01 allows for documentation of equipment problems without writing a Nonconformance Report as required by YAP-15.1Q. The QMP allowed for alternate methods of documenting deficiencies to be described in technical procedures or scientific notebooks. This allowance will be deleted from the QMP and all future deficient conditions involving measuring and test equipment will need to be documented by a Nonconformance Report.

Please review your active technical procedures and scientific notebooks to determine if they describe methods other than an NCR to report deficient equipment conditions. If so, notify Wayne Rodman (236-0516 x-302) by COB May 15, 1996.

WR/THC/aa

Copies to: A. Anderson

May 8, 1996

DISTRIBUTION

L. O. Anna
S. C. Beason
D. A. Beck
D. C. Buesch
M. P. Chornack
W. J. Davies
F. D'Ageneze
J. G. Darnell
J. D. Earle
M. F. Fahy
A. L. Flint
L. E. Flint
R. M. Forester
C. J. Fridrich
K. Futa
D. C. Gillies
R. P. Graves
W. R. Guertal
W. B. Hamilton
J. A. Havesi
W. C. Hunter
M. Kurzmack
E. M. Kwicklis
G. D. LeCain
R. R. Luckey
S. C. Lundstrom
C. M. Menges
M. S. O'Brien
D. W. O'Leary
G. M. O'Brien
T. Oliver
J. B. Paces
B. Parks
G. L. Patterson
Z. E. Peterman

S. K. Pezzopane
C. J. Potter
G. Rattray
J. P. Rousseau
J. H. Sass
C. S. Savard
G. R. Severson
P. G. Shaeffer
R. W. Spengler
W. C. Steinkampf
P. S. Striffler
J. S. Stuckless
D. S. Sweetkind
P. Tucci
M. J. Umari
J. F. Whelan
A. M. Whiteside
J. W. Whitney
J. B. Woolverton
I. C. Yang

DRAFTPage 1 of 1**YMP-USGS MODIFICATION TO
YMP-USGS QUALITY MANAGEMENT PROCEDURE**Modification Number: QMP-12.01, R6-M4Applies to YMP-USGS-QMP-12.01, Rev. 6QMP Title: INSTRUMENT CALIBRATION**REQUIRED MODIFICATIONS:**

<u>Para.</u>	<u>Changed to</u>
5.5.1	Change first sentence to read: "Upon detection of a deficient condition a Nonconformance Report (NCR) shall be prepared in accordance with YAP-15.1Q."
5.5.2	Change second sentence to read: "An NCR shall be initiated to document the deficient condition."

HISTORY OF CHANGES: *To be incorporated into the next revision of this procedure.***Revision/Mod No. Description of Revision**

QMP-12.01,R6-M4	Para. 5.5.1 and 5.5.2 changed in response to YMQAD-96-D049 to use NCRs as the only means of documenting deficient conditions.
-----------------	---

Effective Date: _____

Supersedes Modification No. _____

YMP-USGS Quality Assurance Manager_____
Date_____
Chief, Yucca Mountain Project Branch_____
Date

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

8 Performance Report
 Deficiency Report

NO. _____
PAGE _____ OF _____
QA: L

PR/DR CONTINUATION PAGE