



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

JUN 27 1996

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Technical Project Officer
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Site Characterization Project
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Las Vegas, NV 89109

EVALUATION OF RESPONSES TO DEFICIENCY REPORT (DR) YMQAD-96-D054 AND PERFORMANCE REPORT (PR) YMQAD-96-P026 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD) AUDIT YM-ARC-96-11 OF LAWRENCE LIVERMORE NATIONAL LABORATORY (SCPB: N/A)

The YMQAD staff has evaluated the responses to DR YMQAD-96-D054 and PR YMQAD-96-P026. The responses have been determined to be satisfactory. Verification of completion of the remedial actions 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 Sult, YMQAD/QATSS, P.O. Box 98608, Mail Stop 455, Las Vegas, Nevada 89193-8608.

If you have any questions, please contact either Robert B. Constable at (702) 794-5580 or Donald J. Harris at (702) 794-1467.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-2048

Enclosures:

1. DR YMQAD-96-D054
2. PR YMQAD-96-P026

cc w/encls:

T. A. Wood, HQ (RW-14) FORS
J. G. Spraul, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
R. L. Strickler, M&O, Vienna, VA
R. B. Justice, M&O, Las Vegas, NV
R. P. Ruth, M&O, Las Vegas, NV
J. A. Blink, M&O/LLNL, Las Vegas, NV
R. E. Monks, M&O/LLNL, Livermore, CA
Records Processing Center

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JUN 27 1996

L. Dale Foust

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cc w/o encls:

W. L. Belke, NRC, Las Vegas, NV

D. J. Harris, YMQAD/QATSS, Las Vegas, NV

D. G. Sult, YMQAD/QATSS, Las Vegas, NV

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

8
DR NO. YMQAD-96-D054
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QA: L

DEFICIENCY REPORT

17 Recommended Actions:

Revise the QA Grading Report to reflect of PPS for the WBS activities or incorporate the QA requirements in the Activity Plan or Scientific Investigation Plan.

NOTE: All PPS' includes a statement when the QARD applies or does not apply.

18 Investigative Actions:

A review of all Grading Reports indicate that the technical staff has attempted to include experimental set-up or preliminary test activities required to assure confidence in data in their planning documents. Only these portions of the total activity were graded as "Non Q" or "not subject to the QARD". Review of Activity Plans and Study Plans referred to in the Grading Reports allows one to differentiate when "Q" data may be obtained and require re-grading or have been graded as "Q" in separate Grading Reports.

19 Root Cause Determination:

In an attempt to conserve funds and manpower in the early start-up of Scientific Investigation Activities, the QA grading procedure was used to allow broad discretion by the PIs in selecting controls considered applicable to the preliminary phases of their activities.

20 Action to Preclude Recurrence:

YMP-QP 3.0, "Scientific Investigation Control," and YMP-QP 2.8, "Quality Assurance Grading" will be revised to assure that LLNL staff work is accomplished in accordance with the requirements of the QARD and as specific in the PPSs.

21 Response by:

[Signature] Date 6-9-96

22 Corrective Action Completion Due Date:

23 Response Accepted

QAR *[Signature]* Date 6-20-96

24 Response Accepted

AOQAM *[Signature]* Date 6-26-96

25 Amended Response Accepted

QAR _____ Date _____

26 Amended Response Accepted

AOQAM _____ Date _____

27 Corrective Actions Verified

QAR _____ Date _____

28 Closure Approved by:

AOQAM _____ Date _____

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WASHINGTON, D.C.

8 Performance Report
 Deficiency Report
NO. YMQAD-96-P026
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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document: 033-YMP-QP 2.8, Revision 4, "QA Grading"
2 Related Report No. YM-ARC-96-11

3 Responsible Organization: Lawrence Livermore National Laboratory
4 Discussed With: R. Monks

5 Requirement/Measurement Criteria:
Paragraph 2.8.5.3, "QA Grading Reviewers, Appointed by the Project Leader."
The Task Leader (TL) initiates the QA Grading Review by notifying the Project Leader.....

If the TL and TAL are the same, QA Grading Review is accomplished by the Project Leader or designee.

6 Description of Condition:

The term TL has been cancelled. The procedure has not been revised to remove the TLs responsibilities or coordinate with the QA Grading Report Review Record Form YMP075, Revision 8 (Grading Report LLNL-QAG-L082) which removed the TL.

7 Initiator *Donald J. Harris*
Donald J. Harris Date 04/24/96
9 QA Review
QAR *Donald J. Harris* Date 5/1/96

10 Response Due Date
20 Working Days From Issuance
11 QA Issuance Approval
Donald J. Harris
QAR (PRI)/AOQAM (DR) Date 5/1/96

12 Remedial Actions:

Procedures are being revised as required and forms supporting procedures revision will also be revised.

Both are on the Document Server as of this date.

13 Remedial Action Response By: *Rene Moli* Date 6-4-96
14 Remedial Action Due Date
July 31, 1996 Date 6/9/96

15 Remedial Action Response Acceptance
QAR *al Harris* Date 6-20-96
16 PR Verification/Closure
QAR Date