



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

OCT 04 1996

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 OF DR YM-96-D-055 RESULTING FROM
YMQA AUDIT YM-ARC-96-11 OF LLNL**

The Yucca Mountain Quality Assurance staff has verified the corrective action to Deficiency Report YM-96-D-055 and determined the results to be unsatisfactory because the commitment to revise the procedure addressing procurement interfaces with Argonne National Laboratory, Pacific Northwest Laboratory, Lawrence Livermore National Laboratory and the Civilian Radioactive Waste Management System Management and Operating Contractor has not been executed.

Your response, indicating the appropriate corrective action completion date, is required to be submitted to this office within ten working days of the date of this letter. Send the original of your response to Deborah 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 John E. Therien at (702) 794-5408.

Richard E. Spence
Yucca Mountain Quality Assurance

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YMQA:MRD-2779-~~ma~~

Enclosure:
DR YM-96-D-055

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PDR WASTE
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Recip: NMSS/HLUR

OCT 04 1996

L. D. Foust

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cc w/encl:

T. A. Wood, DOE/HQ (RW-14) FORS
J. G. Spraul, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
R. L. Strickler, M&O, Vienna, VA
B. R. Justice, 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

cc w/o encl:

W. L. Belke, NRC, Las Vegas, NV
J. E. Therien, YMQA/QATSS, Las Vegas, NV
D. G. Sult, YMQA/QATSS, Las Vegas, NV
D. G. Horton, DOE/OQA, NV

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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-96-D-055
DS 9/9/96
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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:
033-YMP-QP 4.1, Revision 3, CN 4.3-3-1, CN 4.1-3-22 Related Report No.
YM-ARC-96-113 Responsible Organization:
Lawrence Livermore National Laboratory (LLNL)4 Discussed With:
R. Monks

5 Requirement/Measurement Criteria:

Sections 4.1.5.4.1 and 4.1.5.4.3 requires that the QA Manager review QARD revisions vis-a-vis the Generic QA Requirements Specification and revise this specification, as appropriate. Additionally, based on revisions to the Generic QA Requirements Specification, Task Leaders are to review and revise, as appropriate, Subcontract QA Requirements Specifications.

6 Description of Condition:

The Generic QA Requirements Specification has not been revised since 7/1/91, nor is there evidence that this Specification has been reviewed vis-a-vis the various QARD revisions issued since July 1991.

The Subcontract QA Requirements Specification for Argonne National Laboratory (ANL) and Pacific Northwest Laboratory (PNL) have not been revised since September 1992, although annual evaluations were performed in October and February of 1995, respectively.

7 Initiator

John E. Therich

Date 4/30/96

9 QA Review

QAR

Date 4/30/96

10 Response Due Date

20 Working Days From Issuance

11 QA Issuance/Approval

QAR (PRI/ADQAM/JOR)

Date 5/8/96

12 Remedial Actions:

QARs have been canceled. Note: at the time of the audit, LLNL had no contracts with suppliers where the QARs are involved.

13 Remedial Action Response By:

Date 6-4-96

14 Remedial Action Due Date

July 31, 1996

Date

15 Remedial Action Response Acceptance

QAR

Date

16 PR Verification/Closure

QAR

Date

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RADIOACTIVE WASTE MANAGEMENT
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WASHINGTON, D.C.

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DEFICIENCY REPORT

17 Recommended Actions:

Determine if the QA requirements invoked on ANL and PNL work is consistent with present QARD requirements.
Evaluate the methodology in QP 4.1 to determine if this process is consistent with LLNL current procurement needs.
Examine the procurement interfaces associated with ANL, PNL, LLNL and the Civilian Radioactive Waste Management System Management and Operating Contractor.

18 Investigative Actions: A review of ANL and PNL QA Program Plans by the LLNL QA staff and LLNL technical representative during annual evaluations shows that appropriate QARD requirements were implemented by the contract laboratories.
YMP-QP 4.1 was not consistent with current work practices and has been canceled.
The M&O now contracts directly for ANL and PNL work. LLNL technical staff reviews, or may be required to review, work results and provide technical direction to ANL and PNL as part of LLNL's assigned responsibilities for the M&O. This information is provided to and through the M&O. LLNL may provide technical evaluation data in future ANL and PNL annual evaluations.

19 Root Cause Determination:

Procedures were not revised to reflect current work practices.

20 Action to Preclude Recurrence:

Cancellation of procedure will preclude its use.
Procurement interfaces with ANL, PNL, LLNL, and TRW should be addressed in TRW procedure revision when it is published.

21 Response by:

Ray M. Morfe Date 6-1-96

22 Corrective Action Completion Due Date:

August 31, 1996

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

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RADIOACTIVE WASTE MANAGEMENT
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PR/DR CONTINUATION PAGE

Block 22. Corrective Action Completion Due Date
Addition of date: August 31, 1996