



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

OCT 16 1996

R. W. Craig
 Technical Project Officer
 for Yucca Mountain
 Site Characterization Project
 U.S. Geological Survey
 1261 Town Center Drive
 Building 4, Room 423, M/S 423
 Las Vegas, NV 89134

**ISSUANCE OF DR YM-97-D-004 RESULTING FROM OQA SUPPLIER AUDIT
 OQA-SA-97-002 OF EPPLEY LABORATORY**

Enclosed is Deficiency Report (DR) YM-97-D-004 generated as a result of Office of Quality Assurance Supplier Audit OQA-SA-97-002.

Please provide a response to this deficiency that meets the applicable requirements of Administrative Procedure 16.1Q, Performance/Deficiency Reporting. Send the original of your response to Deborah Sult, YMQA/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 Mario R. Diaz at (702) 794-1489 or Richard L. Maudlin at (702) 794-1302.

Richard E. Spence

Richard E. Spence
 Yucca Mountain Quality Assurance

YMQA:MRD-0096

Enclosure:
 DR YM-97-D-004

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 WM-11
 NH 33

102.7

9610250178 961016
 PDR WASTE PDR
 WM-11

Recip: NMSS/pa HL

R. W. Craig

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OCT 16 1996

cc w/encl:

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 encl:

W. L. Belke, NRC, Las Vegas, NV
K. A. Hodges, YMQA/QATSS, Las Vegas, NV
D. G. Sult, YMQA/QATSS, Las Vegas, NV
D.G. Horton, DOE/OQA, Las Vegas, NV

250035

THIS IS A RED STAMP

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

Performance Report
 Deficiency Report
NO. YM-97-D-004
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QA: L

PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:
Eppley Laboratory Quality Assurance Manual, May,
1995/ Quality Assurance Requirements and Description,
(QARD), (DOE/RW-0333P), Revision 5

2 Related Report No.
OQA-SA-97-002

3 Responsible Organization:
U.S. Geological Survey (USGS) / Eppley Laboratory

4 Discussed With:
George Kirk/Tom Kirk/Tom Chaney

5 Requirement/Measurement Criteria:
(A) Eppley QA Manual, Section 6.0, Subsection 6.2.8 states in part: "Equipment calibration documentation shall include the following information: ... (d) date of calibration and the recalibration due date"
(B) Office of Civilian Radioactive Waste Management QARD, Section 18.0, Subsection 18.2.1 states in part: "Scheduling internal audits: ... E. Internal audits of work to verify QA Program compliance shall be performed annually or at least once during the life of the work ..."

6 Description of Condition:
Contrary to these requirements:
(A) Certificates of Calibration issued to the USGS for the calibrations of Pyrometers Serial Nos 11923, 10702, 10386, 9482, 8553, 8545, and 12015 did not reference a recalibration due date
(B) The Eppley QA Manual, May 1995, does not require the performance of annual internal audit
(C) There was no objective evidence to reflect the performance of annual internal audits of the Eppley Laboratory QA program.
Note: Documented evidence was provided indicating a USGS audit of Eppley Laboratory in 1991 and 1994.

7 Initiator *Richard L. Maudlin*
Richard L. Maudlin Date 10/14/96

9 Is condition an isolated occurrence?
 Yes No Unknown; Must be Yes if PR

10 Recommended Action: (Not required for PR)
(A) Evaluate the impact of no recalibration date referenced on the calibration certificates. Update calibration certification as appropriate with the recalibration due dates.
(B) Identify actions taken to assure all future calibration certificates include a recalibration due date.
(C) Revise the Eppley QA Manual to reference the performance of annual internal audits.

11 QA Review:
QAR *Richard E. Spence* Date 10/14/96

12 Response Due Date
20 working days from issuance

13 Affected Organization QA manager Issuance Approval: (QAR for PR)
Printed Name *Richard E. Spence* Signature *Richard E. Spence* Date 10/15/96

22 Corrective Action Verified
QAR Date

23 Closure Approved by: (N/A for PR)
AOQAM Date

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

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PR/DR NO. YM-97-D-004

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QA: L

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