



Department of Energy
 Yucca Mountain Site Characterization
 Project Office
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 Las Vegas, NV 89193-8608

WBS 1.2.11
 QA: N/A

AUG 16 1993

Larry R. Hayes
 Technical Project Officer
 for Yucca Mountain
 Site Characterization Project
 U.S. Geological Survey
 101 Convention Center Drive
 Suite 860
 Las Vegas, NV 89109

EVALUATION OF RESPONSE TO CORRECTIVE ACTION REQUEST (CAR)
 YM-93-053 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE
 DIVISION (YMQAD) AUDIT YMP-93-010 OF U.S. GEOLOGICAL SURVEY
 (SCP: N/A)

The YMQAD staff has evaluated the response to CAR YM-93-053. 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 the date. Please send a copy of extension requests to Nita J. Brogan, YMQAD/QATSS, 101 Convention Center Drive, Suite 640, Las Vegas, Nevada 89109.

If you have any questions, please contact either Robert B. Constable at 794-7945 or Richard L. Maudlin at 794-7290.

Richard E. Spence, Director
 Yucca Mountain Quality Assurance Division

YMQAD:RBC-5547 ⁵/_{21/6/93}

Enclosure:
 CAR YM-93-053

- cc w/encl:
- K. R. Hooks, NRC, Washington, DC
 - S. W. Zimmerman, NWPO, Carson City, NV
 - T. H. Chaney, USGS, Denver, CO
 - R. W. Craig, USGS, Las Vegas, NV
 - D. D. Porter, SAIC, Golden, CO

- cc w/o encl:
- J. W. Gilray, NRC, Las Vegas, NV
 - N. J. Brogan, YMQAD/QATSS, Las Vegas, NV

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 PDR WASTE
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ADD: Ken Hooks

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

8 CAR NO.: YM-93-053
DATE: 6/25/93
SHEET: 1 OF 1
QA

CORRECTIVE ACTION REQUEST

1 Controlling Document QAPP, Revision 5, QMP-4.01, Revision 4		2 Related Report No.	
3 Responsible Organization USGS		4 Discussed With J. Ziemra/A. Lykins/P. Rodriguez	
5 Requirement: QAPP, Revision 5, Subsection 4.3.3 states in part: "Procurement documents shall require that the suppliers have a documented QA program that implements either part or all of the requirements of this document." QMP-4.01, Revision 4, Section 5.0, Paragraph 5.1 states in part: "The requester shall initiate a procurement action by the completion and submittal of a Requisition Request.... The following topics shall be considered and included as appropriate: o Scope of Work, o Technical Requirements, ... o Requirements...."			
6 Adverse Condition: Contrary to the above, P.O. 150669, dated 8/4/92 to "Colorado State Department of Agriculture," P.O. 162338-93, dated 6/1/93 to "Intertyme Metrology," and P.O. 162193-93, dated 5/19/93 to "VICI Metronics," do not include applicable QA program requirements such as: QA Element 2 (Personnel Qualifications), QA Element 5 (Procedures to Perform Calibrations), QA Element 12 (Calibration), and QA Element 17 (Control Records).			
9 Does a significant condition adverse to quality exist? Yes ___ No <u>X</u> If Yes, Circle One: A B C		10 Does a stop work condition exist? Yes ___ No <u>X</u> ; if Yes - Attach copy of SWO If Yes, Circle One: A B C D	
11 Response Due Date: 20 Working Days from Issuance			
12 Required Actions: <input checked="" type="checkbox"/> Remedial <input checked="" type="checkbox"/> Extent of Deficiency <input checked="" type="checkbox"/> Preclude Recurrence <input checked="" type="checkbox"/> Root Cause Determination			
13 Recommended Actions: Review existing contracts and modify accordingly. Take the necessary action to evaluate the extent of the deficiency. Take action to preclude recurrence as the root cause. Revise QMP-4.01 to assure correct understanding and interpretation of application of QA requirements.			
7 Initiator R. L. Maudlin <i>R. Maudlin</i> Date <u>06/24/93</u>		14 Issuance Approved by: <i>[Signature]</i> for QADD <u>[Signature]</u> Date <u>07-01-93</u>	
15 Response Accepted QAR <i>[Signature]</i> Date <u>08/01/93</u>		16 Response Accepted QADD <i>[Signature]</i> Date <u>8/13/93</u>	
17 Amended Response Accepted QAR Date		18 Amended Response Accepted QADD Date	
19 Corrective Actions Verified QAR Date		20 Closure Approved by: QADD Date	

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

CAR NO. YM-93-053
DATE: 7/29/93
SHEET: 2 OF 3

CORRECTIVE ACTION REQUEST
(Continuation Page)

1. CORRECTIVE ACTION RESPONSE FOR CAR #YM-93-053

A. REMEDIAL ACTION:

There has been no impact on quality; and since the cut-off date for FY93 procurement is July 30, 1993, it would be inappropriate to take any remedial action on the procurements in process.

B. INVESTIGATIVE ACTIONS:

The majority of purchases from approved suppliers do not specify QA requirements. For all suppliers on the ASL, audits have been conducted which determined that the vendors are qualified to provide services to YMP-USGS. The audits were conducted in accordance with QMP 18.01 as well as QMP 7.01, which provide guidance in evaluating suppliers.

In addition to calibration traceability, the suppliers were evaluated in such areas as calibration capabilities, personnel qualifications, records maintenance, rights of access, and the documentation/certification of calibration services. Since these evaluations determined that the QA requirements were met, it was not required of the requestors of the calibration services to repeat the QA requirements on the Purchase Order. However, the scope of work in these procurement actions was calibration services, and documentation of the calibration as prescribed in QMP 12.01 was requested of the suppliers in the procurement documents.

C. ROOT CAUSE DETERMINATION:

The USGS has relied on vendor evaluation to verbally inform suppliers of the appropriate QA requirements. As a result, it has not been documented that the suppliers are aware of the QA criteria they are expected to meet.

D. CORRECTIVE ACTION TO PRECLUDE RECURRENCE:

QMP-4.01 will be reworded to clarify and strengthen QA requirements and ensure they are incorporated into procurement documents.

Std dtd 7/29/93 - Hayes to Spencer

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

CAR NO. YM-93-053
DATE: 7/29/93
SHEET: 3 OF 3

CORRECTIVE ACTION REQUEST
(Continuation Page)

CORRECTIVE ACTIONS RESPONSE FOR CAR #YM-93-053 (Continued)

2. SCHEDULE OF ACTIONS:

Complete by September 15, 1993. Alice Lykins will modify or revise QMP-4.01 .

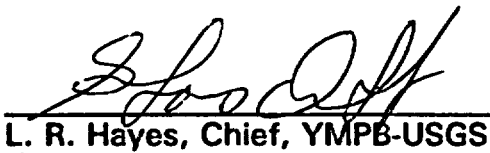
3. RESPONSE APPROVAL:



T. H. Chaney, YMP/USGS
Quality Assurance Manager

7/30/93

Date



L. R. Hayes, Chief, YMPB-USGS

For

7/30/93

Date