



Department of Energy
 Yucca Mountain Site Characterization
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WBS 1.2.11
 QA: N/A

MAR 10 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

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF CORRECTIVE ACTION REQUEST
 (CAR) YM-92-060 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION
 (YMQAD) AUDIT YMP-92-20 OF U.S. GEOLOGICAL SURVEY

The YMQAD staff has verified the corrective action to CAR YM-92-060 and determined the results to be satisfactory. As a result, the CAR is considered closed.

If you have any questions, please contact either Robert B. Constable at 794-7945 or Donald J. Harris at 794-7356.

Richard E. Spence, Director
 Yucca Mountain Quality Assurance Division

YMQAD:RBC-2916

Enclosure:
 CAR YM-92-060

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
- R. L. Maudlin, MACTEC, Las Vegas, NV

cc w/o encl:

- J. W. Gilray, NRC, Las Vegas, NV
- N. J. Brogan, SAIC, Las Vegas, NV
- D. D. Porter, SAIC, Golden, CO
- B. J. Verna, YMP, NV
- A. V. Gil, YMP, NV

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ADD: Ken Hooks Ltr. Encl.
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**OFFICE OF CIVILIAN
RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.**

8 CAR NO.: YM-92-060
DATE: 7/31/92
SHEET: 1 OF 1
QA

CORRECTIVE ACTION REQUEST

1 Controlling Document USGS QMP-7.01, Rev. 4, Mod 3, Control of Purchased Items...		2 Related Report No. YMP-92-20	
3 Responsible Organization USGS		4 Discussed With A. Lykins, T. Chaney	
5 Requirement: Para. 5.4.4 states "When post installation testing is used, post-installation test requirements and acceptance documentation are developed by USGS and incorporated in the contract or other procurement document."			
6 Adverse Condition: Contrary to the above requirement, there is no objective evidence that the post-installation test requirement was incorporated in the procurement document for PO 150247-92 as evidenced by the Records Package submitted to the CRF.			
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: Within 20 working days of issuance.			
12 Required Actions: <input checked="" type="checkbox"/> Remedial <input checked="" type="checkbox"/> Extent of Deficiency <input checked="" type="checkbox"/> Preclude Recurrence <input type="checkbox"/> Root Cause Determination			
13 Recommended Actions:			
7 Initiator D. J. Harris <i>D. J. Harris</i> Date <u>8-3-92</u>		14 Issuance Approved by: QADD <i>RC Spence</i> Date <u>8/4/92</u>	
15 Response Accepted QAR <i>D. J. Harris</i> Date <u>9-24-92</u>		16 Response Accepted QADD <i>RC Spence</i> Date <u>9/29/92</u>	
17 Amended Response Accepted QAR Date		18 Amended Response Accepted QADD Date	
19 Corrective Actions Verified QAR <i>D. J. Harris</i> Date <u>3-5-93</u>		20 Closure Approved by: QADD <i>RC Spence</i> Date <u>3/9/93</u>	

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CORRECTIVE ACTION REQUEST (Continuation Page)

1. Corrective Action Response for CAR # YM-92-060

- A. Remedial Action** - No changes to Purchase Order 150247-92 are warranted because post-installation testing as specified in YMP-USGS-QMP-7.01, R4 was intended to provide a means to accept the purchased item(s) from a quality-assurance perspective; it was not intended to be a condition of financial acceptance. Therefore, the cited YMP-USGS-QMP-7.01 requirement to include post-installation testing requirements in the procurement document was inappropriate. (See actions to prevent recurrence.) The procurement record package for Purchase Order 150247-92 will be amended to reference YM-CAR-92-060 so that future users of the record package will have available an explanation of the intent of the post-installation testing referenced.
- B. Investigative Action** - FY92 procurements by the same Principal Investigator will be reviewed to determine if they referenced post-installation testing. Procurement record packages containing a reference to post-installation testing either in the purchase order or in the requisition request will be annotated with a reference to YM-CAR-92-060.
- C. Root Cause Determination** - not requested
- D. Corrective Action to Preclude Recurrence** - YMP-USGS does not use post-installation testing in the sense that was intended (as a condition of financial acceptance). Therefore, YMP-USGS-QMP-4.01 and YMP-USGS-QMP-7.01 will be revised to exclude specific reference to post-installation testing.

2. Name of individual assigned responsibility for completion and anticipated completion date.

- A.** Alice Lykins will amend procurement record package for Purchase Order 150247-92 by September 25, 1992.
- B.** Gail Abend will determine which, if any, procurements are affected and will provide a reference to YM-CAR-92-060 by September 29, 1992. These annotated records will be supplied to Joe Henderson for inclusion in the procurement record package by October 15, 1992.
- C.** Not applicable (Root cause determination not requested)

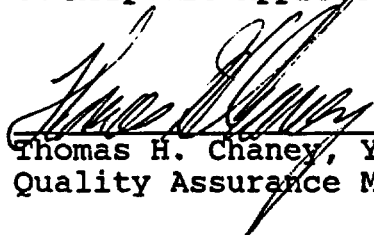
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DATE:	_____
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CORRECTIVE ACTION REQUEST (Continuation Page)

D. The draft revisions to the QMPs have already been written by Alice Lykins and are in the review process. Anticipated approval date is October 29, 1992.

3. Response Approved:



Thomas H. Chaney, YMP-USGS Date 8/31/92
Quality Assurance Manager



Larry R. Hayes, Chief, Yucca Date 9/01/92
Mountain Project Branch

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CORRECTIVE ACTION REQUEST (Continuation Page)

CORRECTIVE ACTION VERIFICATION FOR CAR YM-92-060

Remedial Action:

The Modification to the Record for the YMP-USGS Procurement Package, Purchase Order (PO) 150245-92, Table of Contents, was verified to contain the following statement: "For late submittal, reference CAR YM-92-060."

Investigative Action:

The Fiscal Year 1992 procurements by the same Principal Investigator were reviewed by Gail Abendi of USGS, which resulted in the identification of ten additional POs with post-installation tests required. The Modification to the Record, Table of Contents, was verified to contain the following statement: "For late submittal, reference CAR YM-92-060" for the following POs:

150245-92	154349-92	150256-92
154350-92	154325-92	154378-92
154369-92	154425-92	154346-92
154426-92		

Root Cause:

Not Requested

Corrective Action to Preclude Recurrence:

Verified that YMP-USGS revised their procedures for QA Program Elements 4.0 and 7.0 to exclude reference to post-installation testing as a condition of financial acceptance. The following procedures were reviewed: YMP-QMP-4.01, Revision 4, Procurement Document Control, effective April 2, 1993 and YMP-QMP-7.01, Revision 5, Control of Purchased Items and Services, effective April 2, 1993.

Donald J. Harris Date: 3/5/93
QA Representative