



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

WBS 1.2.11  
QA: N/A

DEC 07 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-93-052 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION  
(YMQAD) AUDIT YMP-93-010 OF U.S. GEOLOGICAL SURVEY (SCP: N/A)

The YMQAD staff has verified the corrective action to CAR YM-93-052 and determined the results to be satisfactory. As a result, the CAR is considered closed.

If you have any questions, please contact Robert B. Constable at (702) 794-7945.

Richard E. Spence, Director  
Yucca Mountain Quality Assurance Division

YMQAD:RBC-1061

Enclosure:  
CAR YM-93-052

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  
J. C. de la Garza, YMP, NV

cc w/o encl:

J. W. Gilray, NRC, Las Vegas, NV  
N. J. Brogan, YMQAD/QATSS, Las Vegas, NV

*Add K. R. Hooks to encl*  
*NH03.11*  
*WM-11*  
*102.9*

150038

YMP-5

9312200278 931207  
PDR WASTE PDR  
WM-11

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

8 CAR NO.: YM-93-052  
DATE: 06/25/93  
SHEET: 1 OF 1  
QA

**CORRECTIVE ACTION REQUEST**

1 Controlling Document QAPP, Revision 5, Section 16.0		2 Related Report No. Audit YMP-93-010	
3 Responsible Organization USGS		4 Discussed With T. Chaney/L. Hayes	
5 Requirement: Section 16.0 states in part: "This system shall insure that significant conditions that are adverse or potentially adverse to quality, are identified promptly and corrected as soon as practical."			
6 Adverse Condition: YMP-USGS-QMP-16.01, Revision 3 does not have sufficient management controls for timely closure of CARs. As an example of procedural ineffectiveness, three of eighteen open corrective actions deal with late evaluation, late responses, or failure to implement timely corrective action (CARs 90-04, 92-02, and 92-07). These three CARs range from 14 months to 32 months old.			
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 type="checkbox"/> Extent of Deficiency <input checked="" type="checkbox"/> Preclude Recurrence <input checked="" type="checkbox"/> Root Cause Determination			
13 Recommended Actions: Establish stringent guidelines in granting extension requests. Establish plans for closing older CARs.			
7 Initiator James Blaylock <i>Blaylock</i> Date <u>06/24/93</u>		14 Issuance Approved by: <i>Blaylock</i> for Date <u>07-01-93</u>	
15 Response Accepted QAR <i>Blaylock</i> Date <u>08/09/93</u>		16 Response Accepted QADD <i>Blaylock</i> Date <u>8/13/93</u>	
17 Amended Response Accepted QAR _____ Date _____		18 Amended Response Accepted QADD _____ Date _____	
19 Corrective Actions Verified QAR <i>Blaylock</i> Date <u>11-23-93</u>		20 Closure Approved by: QADD <i>Blaylock</i> Date <u>11/16/93</u>	

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

CAR NO. YM-93-052  
DATE: 7/29/93  
SHEET: 2 OF 3

**CORRECTIVE ACTION REQUEST**  
(Continuation Page)

**1. CORRECTIVE ACTION RESPONSE FOR CAR #YM-93-052**

- A. REMEDIAL ACTIONS:** The Chief, Yucca Mountain Project Branch, will provide a written reminder to all Program Chiefs that they are responsible for assuring that corrective actions within their respective areas are given appropriate priority and that extension requests must be justified in writing prior to the scheduled corrective action due date.

The QA Manager will review all Corrective Action Reports over six months old to confirm that the corrective action commitments and the proposed schedules are still appropriate. If problems are noted, the QA Manager will contact the appropriate management to recommend revision to the actions or the schedule. In addition, audit staff assignments have been refocused to expedite the verifications of completed actions. Three USGS Corrective Action Reports have been verified and closed since the YMQAD audit.

- B. INVESTIGATIVE ACTIONS:** Not requested
- C. ROOT CAUSE DETERMINATION:** The root cause is that management has not given appropriate priorities to resolving corrective actions in a timely manner.
- D. CORRECTIVE ACTION TO PRECLUDE RECURRENCE:** Procedure YMP-USGS-QMP-16.04, Quality Deficiency Reports, will be revised to include criteria for requesting an extension and to include a requirement that the justification be evaluated by the QA Office against the criteria specified in the procedure. If the requested extension is rejected, the QA Manager will coordinate with the technical management of the responsible organization to develop an acceptable corrective action schedule. (NOTE: The YMP-USGS procedures addressing deficiency documents are currently being combined into one Quality Management Procedure QMP-16.04.)

*Ltr dtd 7/29/93 - Hayes to Spencer*

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WASHINGTON, D.C.

CAR NO. YM-93-052  
DATE: 7/29/93  
SHEET: 3 OF 3

**CORRECTIVE ACTION REQUEST**  
(Continuation Page)

**CORRECTIVE ACTION RESPONSE FOR CAR #YM-93-052 (Continued)**

**2. INDIVIDUAL ASSIGNED RESPONSIBILITY AND ANTICIPATED COMPLETION DATE:**

**A. REMEDIAL ACTIONS:**

Responsible actionee - Larry R. Hayes, Chief, YMPB-USGS      Completion  
date  
August 31, 1993 - reminder to Program Chiefs


Responsible actionee - Thomas H. Chaney, YMP-USGS QA      Mana  
ger,  
Completion date  
August 31, 1993 - review of old Corrective Action      Reports


**B. INVESTIGATIVE ACTIONS:** Not requested

**C. ROOT CAUSE DETERMINATION:** Not applicable

**D. CORRECTIVE ACTION TO PRECLUDE RECURRENCE:** Responsible actionee  
Larry R. Hayes and Thomas H. Chaney, QMP-16.04, RO is expected to be  
approved by August 16, 1993 and effective by August 30, 1993.

**3. RESPONSE APPROVED:**

  
\_\_\_\_\_  
Thomas H. Chaney, YMP-USGS      7/30/93  
Quality Assurance Manager      Date

  
\_\_\_\_\_  
Larry R. Hayes, Chief, Yucca      7/30/93  
Mountain Project Branch      Date

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WASHINGTON, D.C.

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QA

**CORRECTIVE ACTION REQUEST (Continuation Page)**

SURVEILLANCE N<sup>o</sup> 9A-007 WAS PERFORMED IN DENVER, COLO., NOV 16 THRU 19 AT USGS FACILITIES TO ASSURE COMPLIANCE WITH APPROVED RECOMMENDED CORRECTIVE ACTIONS. IT WAS CONCLUDED THAT ALL ACTIONS WERE SATISFACTORY AND THIS CAR IS CONSIDERED CLOSED.

RB Loustak

11.23.93