



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

WBS 1.2.9.3

JUL 24 1992

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 for Yucca Mountain  
 Site Characterization Project  
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 Los Alamos, NM 87545

ISSUANCE OF CORRECTIVE ACTION REQUEST (CAR) YM-92-057 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) AUDIT YMP-92-19 OF LOS ALAMOS NATIONAL LABORATORY

Enclosed is CAR YM-92-057 generated as a result of YMQAD Audit YMP-92-19.

Please identify the corrective action to be taken and implemented to correct the deficiency. A CAR Continuation Sheet and instructions for completion have been provided. Send the original of your response to Nita J. Brogan, Science Applications International Corporation, Las Vegas, Nevada. Response to the CAR 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 that date.

If you have any questions, please contact either Robert B. Constable at (702) 794-7945 or Richard L. Maudlin at (702) 794-7290.

*R.E. Spence*

Richard E. Spence, Director  
 Yucca Mountain Quality Assurance Division

YMQAD:RES-4501

Enclosure:  
 CAR YM-92-057

*Add K.R. Hooker 4/8 Encl*  
 102.7  
 NH103  
 '11  
 WM-11

310040

JUL 24 1992

Julie A. Canepa

-2-

cc w/encl:

C. L. Sellards, SAIC, Las Vegas, NV, 517/T-02

~~K. R. Hooks~~, NRC, Washington, DC

S. W. Zimmerman, NWPO, Carson City, NV

S. L. Bolivar, LANL, Los Alamos, NM

N. Z. Elkins, LANL, LV, NV

cc w/o encl:

J. W. Gilray, NRC, Las Vegas, NV

N. J. Brogan, SAIC, Las Vegas, NV, 517/T-12

J. B. Tillman, LAO

J. W. Hines, NWQA, AL

A. R. Chernoff, MSD, AL

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

8 CAR NO.: YM-92-057  
DATE: 7-14-92  
SHEET: 1 OF 1  
QA

**CORRECTIVE ACTION REQUEST**

1 Controlling Document LANL QAPP, Rev. 5 and AP 5.28Q, Rev. 2		2 Related Report No. YMP-92-19	
3 Responsible Organization LANL		4 Discussed With J. Canepa/S. Bolivar	
5 Requirement: Los Alamos National Laboratory, Quality Assurance Program Plan, Revision 5, Section 2.2, states in part: "LANL YMP activities will be graded in accordance with Project Office guidance, and the resulting grading reports will be submitted to the Project Office for review and approval."  Administrative Procedure (AP)-5.28Q, Revision 2, Quality Assurance Grading, paragraph 2.0, states: This procedure applies to all Yucca Mountain (Project) Participants and personnel of involved in preparation, review, approval, and acceptance of Quality Assurance Grading (QAG) Reports (Attachment 1). It is a prerequisite to performance of work related to an item or activity listed on the Q-List, the Quality Activities List, or the PR list.			
6 Adverse Condition: Contrary to the above, no grading report has been generated for scoping work performed in the area of Ground Water Chemistry Modeling WBS 1.2.3.4.1.1.  Discussion:  In discussions with cognizant LANL personnel it was found that a grading report has been issued for WBS 1.2.3.4 to cover Geochemistry. In review of this report, it was noted that LANL is to apply the full 18 criteria to any work performed under the scope of this WBS. However, during these discussion, it was found that LANL was performing non quality scoping work for WBS 1.2.3.4.1.1 for which they would not apply the full 18 criteria. If it is the intent to proceed with work which would not be performed in accordance with an approved upper tier Grading Report then a new Grading Report must be generated delineating the criteria which would apply.			
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 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 type="checkbox"/> Root Cause Determination			
13 Recommended Actions: 1) Generate necessary Grading Report or evaluate condition based on current grading requirements. 2) Determine extent of like deficiencies and provide results. 3) Determine actions necessary to preclude recurrence.			
7 Initiator R. Maudlin/J. Martin <i>[Signature]</i> Date <u>7/15/92</u>		14 Issuance Approved by: QADD <i>[Signature]</i> Date <u>7/22/92</u>	
15 Response Accepted QAR Date		16 Response Accepted QADD Date	
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.	_____
DATE:	_____
PAGE:	_____ OF _____
	QA

**CORRECTIVE ACTION REQUEST (Continuation Page)**

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Format for Corrective Action Response

The CAR response shall include the following information:

1. Corrective Action Response for CAR # \_\_\_\_\_
  - A. Remedial Action - Actions taken to correct specific deficiencies noted.  
(Required for all CARs)
  - B. Investigative Action - Actions taken to determine the extent of the condition.  
(Required for all significant conditions adverse to quality or any Condition Adverse to Quality if requested by OQA)
  - C. Root Cause Determination - Identification of the root cause of the condition.  
(Required for all significant conditions adverse to quality or any Condition Adverse to Quality if requested by OQA)
  - D. Corrective Action to Preclude Recurrence - Actions taken to address the root cause and preclude recurrence of the condition.  
(Required for all significant conditions adverse to quality or any Condition Adverse to Quality if requested by OQA)
2. For each action above, identify the name of the individual assigned responsibility for completion and the anticipated (or actual, if complete) completion date.
3. Response Approved: \_\_\_\_\_ Date: \_\_\_\_\_  
Responsible Manager