



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

WBS 1.2.9.3

OCT 02 1992

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 Site Characterization Project
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VERIFICATION OF CORRECTIVE ACTION AND CLOSURE 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

The YMQAD staff has verified the corrective action to CAR YM-92-057 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 (702) 794-7945 or Richard L. Weeks at (702) 794-7853.

Richard E. Spence, Director
 Yucca Mountain Quality Assurance Division

YMQAD:RBC-5891

Enclosure:
 CAR YM-92-057

- cc w/encl:
- K. R. Hooks, NRC, Washington, DC
 - S. W. Zimmerman, NWPO, Carson City, NV
 - S. L. Bolivar, LANL, Los Alamos, NM
 - N. Z. Elkins, LANL, Las Vegas, NV
 - J. H. Rusk, MACTEC, Las Vegas, NV
 - N. J. Brogan, SAIC, Las Vegas, NV, 517/T-12
 - W. B. Simecka, YMP, NV

- cc w/o encl:
- J. B. Tillman, LAAO
 - J. H. Hines, OGD, AL
 - A. R. Chernoff, MSD, AL
 - J. W. Gilray, NRC, Las Vegas, NV

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ADD: Ken Hooks
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 CAR. Encl.

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**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
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3 Responsible Organization LANL	4 Discussed With J. Canepa/S. Bolivar
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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
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12 Required Actions: Remedial Extent of Deficiency Preclude Recurrence 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>7/23/92</u>
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15 Response Accepted QAR <i>[Signature]</i> Date <u>8-6-92</u>	16 Response Accepted QADD <i>[Signature]</i> Date <u>8/10/92</u>
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17 Amended Response Accepted QAR Date	18 Amended Response Accepted QADD Date
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19 Corrective Actions Verified QAR <i>[Signature]</i> Date <u>9/18/92</u>	20 Closure Approved by: QADD <i>[Signature]</i> Date <u>10/1/92</u>
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RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.

CAR NO. _____
DATE: _____
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CORRECTIVE ACTION REQUEST (Continuation Page)

CORRECTIVE ACTION RESPONSE FOR CAR NO. YM-92-057:

Page 1 of 1

A. Remedial Action:

Grading Report (GR) #41 was submitted July 10, 1992 by Michael J. Clevenger (QAL) to the Grading Report Review Board. This GR addresses the non-quality scoping work being conducted under WBS: 1.2.3.4.1.1.

After incorporating Grading Review Board comments, GR #41 was re-submitted July 20, 1992. We have received verbal approval (can be verified by contacting Bernie Verna, DOE) of GR #41 and are awaiting formal notice. Thus, the completion date is July 20, 1992.

B. Investigative Action:

Investigative efforts (verbal communications) conducted by Stephen L. Bolivar (QAPL), concluded that there are no situations where quality affecting studies are not covered by an existing GR, nor are there any additional non-quality scoping studies for which a GR has not been submitted.

The above investigative actions were completed July 14, 1992.

C. Root Cause Determination:

N/A

D. Corrective Action to Preclude Recurrence:

Stephen L. Bolivar (QAPL) understands that the current grading process will cease to exist July 31, 1992 and that the Grading Report Review Board will no longer accept GR submittals. Therefore, to preclude recurrence, Los Alamos will follow the new process the Project Office incorporates.

Consequently, completion of this corrective action is July 31, 1992.

8-4-92 TWS -EES-1307-92-066

Verification Statement
for
CAR YM-92-057

Verification of completion of corrective action to CAR YM-92-057 was completed on September 18, 1992.

In order for this CAR to be closed, the following actions were completed by Los Alamos National Laboratory (LANL):

Remedial Action:

Grading Report #41 was generated to provide objective evidence that specific work completed under WBS 1.2.3.4.1.1 was non-quality, scoping work. This Grading Report became effective on 7/15/92.

Investigative Action:

Stephen Bolivar (QAPL) stated that he held discussions with Los Alamos staff and based on these discussions concluded that all studies are covered by Grading Reports. These discussions were held with the following LANL staff: Julie Canepa, Evertt Springer and Bruce Crowe.

Corrective Action to Preclude Recurrence:

LANL now works in accordance with the new Project Office process (AP 6.170, Classification of Items Important to Safety and Waste Isolation) for determining the importance of an activity to safety and waste isolation. The previous grading process, as implemented by AP 5.280, Quality Assurance Grading, has been cancelled.

Verified By: Richard L. Weeks

Signature: Richard L. Weeks

Date: 9/28/92