



**Department of Energy**  
 Yucca Mountain Site Characterization  
 Project Office  
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WBS 1.2.9.3  
 QA

OCT 16 1991

Richard L. Bullock  
 Technical Project Officer  
 for Yucca Mountain  
 Site Characterization Project  
 Raytheon Services Nevada  
 101 Convention Center Drive  
 Phase II, Suite P-250  
 Las Vegas, NV 89109

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF CORRECTIVE ACTION REQUEST  
 (CAR) YM-91-071 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION  
 (YMQAD) AUDIT YMP-91-04 OF RAYTHEON SERVICES NEVADA

The YMQAD staff has verified the corrective action to CAR YM-91-071 and  
 determined the results to be satisfactory. As a result, the CAR is  
 considered closed.

If you have any questions, please contact either Catherine E. Hampton at  
 794-7973 or Robert H. Klemens at 794-7734.

*R.E. Spence*

Richard E. Spence, Director  
 Yucca Mountain Quality Assurance Division

YMQAD:CEH-309

Enclosure:  
 CAR YM-91-071

cc w/encl:  
 K. R. Hooks, NRC, Washington, DC  
 S. W. Zimmerman, NWPO, Carson City, NV  
 M. J. Regenda, RSN, Las Vegas, NV

cc w/o encl:  
 J. W. Gilray, NRC, Las Vegas, NV  
 N. J. Brogan, SAIC, Las Vegas, NV, 517/T-08

9110310112 911016  
 PDR WASTE PDR  
 WM-11  
 YMP-5 230000

ADD: Ken Hooks  
 Chr. Snel.  
 102-7  
 WM-11 1/1  
 NH03

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

14CAR NO.: YM-91-071  
 DATE: 08/08/91  
 SHEET: 1 OF 1  
 QA  
 WBS No.: 1.2.9.3

**CORRECTIVE ACTION REQUEST**

1 Controlling Document RSN PP-12-01, Rev. 0	2 Related Report No. Audit YMP-91-04
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3 Responsible Organization RSN Materials Test Lab	4 Discussed With Raj Singal
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10 Response Due 20 days from issue	11 Responsibility for Corrective Action R.L. Bullock	12 Stop Work Order Y or N No
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5 Requirement:  
 PP-12-01, Rev. 0, Para. 6.2.1 states in part, "a Calibration History Log (Attachment 1) shall be established and maintained."

6 Adverse Condition:  
 Contrary to the above requirement, the Materials Test Lab has not established and therefore has not maintained a Calibration History Log.

7 Recommended Action(s):  
 Identify the remedial action(s) to be taken to correct the deficiency noted in Block 6.

8 Initiator R.H. Klemens	Date: 08/08/91	9 Severity Level - 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/>	13 Approved By: OQA <u>Cathy Hampton</u> for <u>8-12-91</u>
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15 Verification of Corrective Action:  
 Verification of Corrective Action is attached.

16 Corrective Action Completed and Accepted: OAR <u>Robert H. Klemens</u> Date <u>10/9/91</u>	17 Closure Approved By: OQA <u>R.C. Lance</u> <u>10/15/91</u>
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OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.

CAR NO YM-91-071  
DATE 9/11/91  
SHEET 1 OF 1

**CORRECTIVE ACTION REQUEST**  
(continuation sheet)

A. Extent of Deficiency

The required "Calibration History Log" was in existence at the time of the audit. However, the personnel with the knowledge of its location were absent at the time of the audit due to personal emergencies. The log is contained in the binder labeled "YMP/H&N-MTL-MTE USAGE LOG."

B. Root Cause

Personnel with the knowledge of its location were absent at the time of the audit due to personal emergencies.

C. Remedial Action

1. The calibration log has been realigned into individual reports for each piece of equipment.
2. The Material Test Lab staff will be made aware of the locations of the YMP records and their format in writing. This action will be completed by September 30, 1991.

D. Corrective Action to Prevent Recurrence

Lab personnel are being made aware of the locations of the YMP records and their format in writing.

Responsible Individual:

Deputy Manager, Yucca Mountain  
Operations

Response Approved: *J. J. Bullard* Date 9-12-91

Response Accepted: *Robert H. Klemm* 9/17/91  
QAR Date

Response Accepted: *Colin D. Hampton* 9-18-91  
OQA Date

*File dtd 9/11/91 - RSN - YMP-1188*

VERIFICATION OF CAR YM-91-071

Block 15 - Verification of Corrective Action

Remedial Action

- Item 1 - Verified that the calibration log has been realigned into individual logs for each piece of equipment. All of the required information is included in the log.
- Item 2 - Verified memo issued on September 19, 1991, from T. Thummala to all MTL employees, informing them that the MTL-YMP calibration files were located in Room #8 at MTL.

Corrective Action

Lab personnel have been notified by September 19, 1991 memo, of the location of the files and they have been invited to inspect the files for additional details. Verified.

*Robert H. Klemens 10/9/91*