



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

WBS 1.2.9.3  
QA

SEP 27 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

**EVALUATION OF RESPONSE TO 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 evaluated the response to CAR YM-91-071. The response has been determined to be satisfactory. Verification of completion of the corrective action will be performed after the effective date provided. Any extension to this date must be requested in writing with appropriate justification prior to the date. Please send a copy of extension requests to Nita J. Brogan, Science Applications International Corporation, Las Vegas, Nevada.

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

*Catherine Hampton*  
Donald G. Horton, Director  
Yucca Mountain Quality Assurance Division

YMQAD:CEH-5778

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

YMP-5

9111010259 910927  
PDR WASTE  
WM-11 PDR

ADD: Ken Hooks  
Ltr. Encl.

102.7  
WM-11  
N403

**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	
3 Responsible Organization RSN Materials Test Lab		4 Discussed With Raj Singal	
10 Response Due 20 days from issue	11 Responsibility for Corrective Action R.L. Bullock	12 Stop Work Order Y or N No	
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.E. 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>Catherine Thompson</u> Date: 8-12-91
15 Verification of Corrective Action:			
16 Corrective Action Completed and Accepted: QAR _____ Date _____		17 Closure Approved By: OQA _____	

OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
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CAP 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: John Bullard Date 9-12-91

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

Response Accepted: Charles Hampton 9-18-91  
UQA Date

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