



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

OCT 08 1993

Willis L. Clarke
Technical Project Officer
for Yucca Mountain Site
Characterization Project
Lawrence Livermore National Laboratory
P.O. Box 5514, L-217
Livermore, CA 94551

EVALUATION OF RESPONSE TO CORRECTIVE ACTION REQUEST (CAR) YM-93-085 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) AUDIT YMP-93-14 OF LAWRENCE LIVERMORE NATIONAL LABORATORY (SCP: N/A)

The YMQAD staff has evaluated the response to CAR YM-93-085. 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, YMQAD/QATSS, 101 Convention Center Drive, Suite 640, Las Vegas, Nevada 89109.

If you have any questions, please contact either Robert B. Constable at (702) 794-7945 or John E. Therien at (702) 794-7862.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-163

Enclosure:
CAR YM-93-085

cc w/encl:

K. R. Hooks, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
J. A. Blink, LLNL, Las Vegas, NV
R. E. Monks, LLNL, Livermore, CA

cc w/o encl:

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

Add: Ken Hooks for encl
11

PHOB
WM-11
102.7

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

8 CAR NO.: YM-93-085
DATE: 7/29/93
SHEET: 1 OF 1
QA

CORRECTIVE ACTION REQUEST

1 Controlling Document Audit 033-YMP-QP 18.0, Revision 5		2 Related Report No. YMP-93-14	
3 Responsible Organization Lawrence Livermore National Laboratory		4 Discussed With Royce Monks/Ray Hamati	
5 Requirement: Paragraph 18.0.5.1.3 states in part, "Subcontractor audits shall be performed on a triennial basis when supplemented by annual evaluations. Subcontractor quality assurance programs will be evaluated on at least an annual basis to determine if an audit is necessary, and this evaluation shall be documented...."			
6 Adverse Condition: Contrary to the cited requirement, LLNL has neither conducted an audit nor completed an annual evaluation of Pacific Northwest Laboratory (spent fuel waste form testing) or Argonne National Laboratory (defense waste processing facility glass) since September 18-19, 1991 and September 25-26, 1991 respectively.			
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 checked="" type="checkbox"/> Extent of Deficiency <input checked="" type="checkbox"/> Preclude Recurrence <input type="checkbox"/> Root Cause Determination			
13 Recommended Actions: 1. Perform evaluation of subcontractor's work to determine any impacts on the quality of services performed, as appropriate. 2. Perform annual evaluations and document accordingly . 3. Provide letter of re-instruction to appropriate personnel.			
7 Initiator John E. Therien <i>John E. Therien</i> Date <u>7/30/93</u>		14 Issuance Approved by: QADD <i>R. Hamati</i> Date <u>8/3/93</u>	
15 Response Accepted QAR _____ Date _____		16 Response Accepted QADD _____ Date _____	
17 Amended Response Accepted QAR <i>John E. Therien</i> Date <u>9/30/93</u>		18 Amended Response Accepted QADD <i>R. Hamati</i> Date _____	
19 Corrective Actions Verified QAR _____ Date _____		20 Closure Approved by: QADD _____ Date _____	

ENCLOSURE

1. Corrective Action Response for CAR #YM-93-085

A. Remedial Action:

Actions will be taken to determine methods and extent of LLNL YMP evaluation of its subcontractors (Pacific Northwest Laboratory and Argonne National Laboratory) quality assurance program and implementation. A statement will be prepared documenting any impact on the quality of services performed by these subcontractors.

Responsible Individual: Royce E. Monks

Completion Date: September 30, 1993

B. Investigative Action:

As these two laboratories are the only ones currently performing quality-affecting subcontracting services for the YMP and since past history indicates that yearly audits were performed, no additional investigative actions are anticipated.

Responsible Individual: Royce E. Monks

Completion Date: September 30, 1993

C. Root Cause Determination:

The root cause for this condition was a procedural change in 033-YMP-QP 18.0 which allowed the removal of these Laboratories from the yearly audit schedule, providing for an evaluation and audit need determination. This resulted in an oversight of not documenting any evaluation and not having the requirement flagged on the audit schedule.

Responsible Individual: Royce E. Monks

Completion Date: September 30, 1993

D. Corrective Action:

Procedure 033-YMP-QP 18.0 will be changed to require that yearly evaluations and triennial audits of subcontractors appear as action items on the annual audit schedule for the project.

Responsible Individual: Royce E. Monks

Completion Date: September 30, 1993

W. L. Clarke 8/26/93

Willis L. Clarke

Date

Technical Project Officer

Yucca Mountain Project

Attd 8/24/93 - LLYMP 93/11

Royce E. Monks

Royce E. Monks

Date

Quality Assurance Manager

Yucca Mountain Project

Corrective Action Response for CAR #YM-93-085

A. Remedial Action:

Actions will be taken to determine methods and extent of LLNL YMP evaluation of its subcontractors (Pacific Northwest Laboratory and Argonne National Laboratory) quality assurance program and implementation. A statement will be prepared documenting any impact on the quality of services performed by these subcontractors.

Responsible Individual: Royce E. Monks
Completion Date: September 30, 1993

B. Investigative Action:

As these two laboratories are the only ones currently performing quality-affecting subcontracting services for the YMP and since past history indicates that yearly audits were performed, no additional investigative actions are anticipated.

Responsible Individual: Royce E. Monks
Completion Date: September 30, 1993

C. Root Cause Determination:

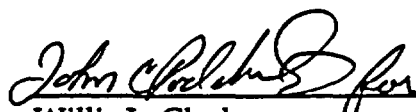
The root cause for this condition was a procedural change in 033-YMP-QP 18.0 which allowed the removal of these laboratories from the yearly audit schedule, providing for an evaluation and audit need determination. This resulted in an oversight of not documenting any evaluation and not having the requirement flagged on the audit schedule.


Responsible Individual: Royce E. Monks
Completion Date: September 30, 1993

D. Corrective Action:

Procedure 033-YMP-QP 18.0 will be changed to require that yearly evaluations and triennial audits of subcontractors appear as action items on the annual audit schedule for the project. Training will be required for the procedural changes for affected personnel.

Responsible Individual: Royce E. Monks
Completion Date: September 30, 1993

 9/27/93
Willis L. Clarke Date
Technical Project Officer
Yucca Mountain Project

 9/21/93
Royce E. Monks Date
Quality Assurance Manager
Yucca Mountain Project