



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

WBS 1.2.11
 QA: NA

DEC 17 1992

Les E. Shephard
 Technical Project Officer
 for Yucca Mountain
 Site Characterization Project
 Sandia National Laboratories
 P.O. Box 5800
 Organization 6302
 Albuquerque, NM 87185

ISSUANCE OF CORRECTIVE ACTION REQUESTS (CAR) YM-93-021, YM-93-022, AND YM-93-023 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) AUDIT YMP-93-03 OF SANDIA NATIONAL LABORATORIES

Enclosed are CARs YM-93-021, YM-93-022, and YM-93-023 generated as a result of YMQAD audit YMP-93-03.

Please identify the corrective actions to be taken and implemented to correct the deficiencies. CAR Continuation Sheets and instructions for completion have been provided. Send the originals of your responses to Nita J. Brogan, Science Applications International Corporation, Las Vegas, Nevada. Responses to the CARs are due 20 working days from the date of this letter. Extensions to due dates must be requested in writing, with appropriate justification, prior to the due dates.

If you have any questions, please contact either Robert B. Constable at (702) 794-7945 or Kenneth T. McFall at (702) 794-7280.

Richard E. Spence, Director
 Yucca Mountain Quality Assurance Division

YMQAD:RBC-1522

Enclosures:

1. CAR YM-93-021
2. CAR YM-93-022
3. CAR YM-93-023

9212220408 921217
 PDR WASTE
 WM-11 PDR

YMP-5

ADD: Ken Hooks *Chr. Encl.*
 1 1

102.7
WM-11
NH03

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

8 CAR NO.: YM-93-022
DATE: 12/8/92
SHEET: 1 OF 1
QA

CORRECTIVE ACTION REQUEST

1 Controlling Document SNL QAIP 2-8, Revision 01		2 Related Report No. YMP-93-03	
3 Responsible Organization SNL		4 Discussed With L. Shephard/R. Richards	
5 Requirement: SNL QAIP 2-8, Revision 01, Paragraph 4.0, Step 1 states in part, "Annually and with the time interval between assessments not exceeding fifteen months, the Technical Project Officer shall initiate a management assessment by identifying team members and a team leader who...."			
6 Adverse Condition: Contrary to the above requirements, the annual management assessment for fiscal year 1991 was initiated on July 22, 1991. As of November 30, 1992, the management assessment for fiscal year 1992 has not been formally initiated, hence the fifteen months time requirement has not been satisfied.			
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 type="checkbox"/> Extent of Deficiency <input type="checkbox"/> Preclude Recurrence <input type="checkbox"/> Root Cause Determination			
13 Recommended Actions: 1. Identify the remedial action to be taken to correct the deficiencies noted in Block 6.			
7 Initiator A. E. Cocoros <i>ME</i> Date <u>12/8/92</u>		14 Issuance Approved by: QADD <i>RC. Spence</i> Date <u>12/15/92</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.**

8 CAR NO.: YM-93-021
DATE: 12/8/92
SHEET: 1 OF 1
QA

CORRECTIVE ACTION REQUEST

1 Controlling Document SNL DOP 6-1, Revision D	2 Related Report No. YMF-93-03
---	-----------------------------------

3 Responsible Organization SNL	4 Discussed With S. Edmund/J. Friend
-----------------------------------	---

5 Requirement:
SNL DOP 6-1, Revision D, Paragraph 4.3, "Recipients/Users," fourth bullet states, "Use the correct and applicable revision(s) and ICN(s) of document(s) in performing SNL activities;" and Paragraph 4.2, third bullet states in part, "Invoke the use of correct documents...."

6 Adverse Condition:
Contrary to the above requirements, six of the seven examined document holders/recipients/users are not keeping their assigned controlled documents current.

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: Remedial Extent of Deficiency Preclude Recurrence Root Cause Determination

13 Recommended Actions:

7 Initiator Kenneth T. McFall <i>Kenneth T. McFall</i> Date <u>12/8/92</u>	14 Issuance Approved by: QADD <i>[Signature]</i> Date <u>12/15/92</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 _____
--	--

ORIGINAL

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

THIS IS A RED STAMP
8 CAR NO.: YM-93-023
DATE: 12/8/92
SHEET: 1 OF 2
QA

CORRECTIVE ACTION REQUEST

1 Controlling Document QAIP 18-1, Revision 00		2 Related Report No. YMP-93-03	
3 Responsible Organization SNL		4 Discussed With R. Richards	
5 Requirement: SNL QAIP 18-1, Revision 00, Quality Assurance Audits, Paragraph 4.1, Scheduling, states in part: Step 1 PI for audits shall evaluate quality assurance programs of SNL contractors who are performing quality-affecting activities at least annually. This evaluation, identifying contractor's Quality Assurance Programs requiring audit, shall be documented. Step 2 PI for audits shall, on an annual basis, develop an audit schedule for internal and external audits and periodically review and revise the audit schedule. Appendix A, Audit Scheduling Step 3 Contractor audits shall be scheduled and performed on a triennial basis, when			
6 Adverse Condition: Contrary to the sited requirements 1 and 2 AND 3 <i>JRH-92 12-15-92</i> 1. The SNL annual evaluation of SNL contractors, documented in a letter with attachments, to R. R. Richards from D. R. Hawkinson, subject: Proposed SNL audit schedule, dated October 17, 1992, did not include an evaluation of New England Research (working under SNL QA Program) suppliers of calibration services, e.g., MTS Systems Corporation, ESSCO Laboratory and Omega. Contrary to the sited requirements 2 and 4 2. SNL audit schedule for fiscal years 1993 and 1992 failed to include the suppliers of calibration services: MTS System Corporation, ESSCO Laboratory and Omega, who provide calibration services for New England Research, who is currently performing quality-affecting activities of WBS 1232713A			
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: SNL should evaluate the methodology of evaluating suppliers qualified by contractors working under SNL's QA Program and the subsequent auditing and annual evaluation of those suppliers.			
7 Initiator Donald J. Barris <i>K.T. McFall</i> Date <i>12/8/92</i>		14 Issuance Approved by: QADD <i>[Signature]</i> Date <i>12/15/92</i>	
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.

8 CAR NO.: YM-93-023
DATE: 12/8/92
SHEET: 2 OF 2
QA

CORRECTIVE ACTION REQUEST (Continuation Page)

5 Requirements (continued)

supplemented by annual evaluations.

- Step 4 At least annually (triennial for contractors) or at least once during the life of the activity affecting quality, whichever is shorter, an audit of the adequacy and effectiveness of the QA program shall be performed.

DEC 17 1992

cc w/encl:

K. R. Hooks, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
R. R. Richards, SNL, 6319, Albuquerque, NM
T. L. Badredine, M&O/TRW, Las Vegas, NV
J. H. Rusk, MACTEC, Las Vegas, NV
B. J. Verna, YMP, NV
A. V. Gil, YMP, NV

cc w/o encl:

J. H. Hines, OGD, AL
J. W. Gilray, NRC, Las Vegas, NV
N. J. Brogan, SAIC, Las Vegas, NV