



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

WBS 1.2.9.3

MAY 29 1992

Michael D. Voegele
Technical Project Officer
for Yucca Mountain
Site Characterization Project
Science Applications International Corporation
The Valley Bank Center, Suite 407
101 Convention Center Drive
Las Vegas, NV 89109

ISSUANCE OF CORRECTIVE ACTION REQUESTS (CAR) YM-92-041 AND YM-92-042
RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) AUDIT
YMP-92-16 OF TECHNICAL AND MANAGEMENT SUPPORT SERVICES

Enclosed are CARs YM-92-041 and YM-92-042 generated as a result of YMQAD
Audit YMP-92-16.

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 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
794-7945 or Richard L. Maudlin at 794-7290.

R. E. Spence

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-3663

Enclosures:

1. CAR YM-92-041
2. CAR YM-92-042

cc w/encls:

K. R. Hooks, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
D. K. Chandler, SAIC, Las Vegas, NV, 517/T-04
J. R. Gonzales, SAIC, Las Vegas, NV, 517/T-28
C. L. Sellards, SAIC, Las Vegas, NV, 517/T-02
N. J. Brogan, SAIC, Las Vegas, NV, 517/T-12

cc w/o encls:

J. W. Gilray, NRC, Las Vegas, NV

YMP-5

9206080264 920529
PDR WASTE
WM-11 PDR

ADD: Ken Hooks

Car. Encl.
1 1

102-7
WM-11
N403

MAY 29 1992

Michael D. Voegele

-2-

bcc w/o encls:

S. D. Johnson, PSDO/REECo, Las Vegas, NV
R. L. Maudlin, MACTEC, Las Vegas, NV
S. R. Dippner, SAIC, Las Vegas, NV, 517/T-08
W. A. Wilson, YMP, Mercury, NV, M/S 717
M. B. Blanchard, YMP, NV
R. B. Constable, YMP, NV
W. R. Dixon, YMP, NV
J. R. Dyer, YMP, NV
V. F. Iorii, YMP, NV
W. B. Simecka, YMP, NV

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

8 CAR NO.: YM-92-042
DATE: 5/27/92
SHEET: 1 OF 2
QA

CORRECTIVE ACTION REQUEST

1 Controlling Document SP 1.31, Revision 5, Para. 5.1.8		2 Related Report No. Audit Report YMP-92-16							
3 Responsible Organization SAIC		4 Discussed With K. Harbert/R. Lee							
5 Requirement: SP 1.31, Initial Evaluation, Qualification, Indoctrination, and Training of T&MS Personnel, Revision 5, Para. 5.1.8 states: "Employee completes assigned training specified on Training Assignment Form within 30 working days. May perform activities affecting quality before completing all assignments provided employee has documented guidance of training to the applicable documents governing the work prior to performing the work."									
6 Adverse Condition: Contrary to the above, the Software Librarian implemented the requirements of SP 1.52 prior to documenting the required reading assignment. Work to SP 1.52 was performed on 05/18/92; however, training was not documented until 05/19/92. Example: The following entries were made in the CML: <table border="0"> <tr> <td>Page 1</td> <td>SCF-92Y</td> <td>5/18/92</td> </tr> <tr> <td>Page 3</td> <td>SCF-92</td> <td>5/18/92</td> </tr> </table>				Page 1	SCF-92Y	5/18/92	Page 3	SCF-92	5/18/92
Page 1	SCF-92Y	5/18/92							
Page 3	SCF-92	5/18/92							
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							
12 Required Actions: <input checked="" type="checkbox"/> Remedial <input type="checkbox"/> Extent of Deficiency <input checked="" type="checkbox"/> Preclude Recurrence <input type="checkbox"/> Root Cause Determination									
13 Recommended Actions: 1. Identify the remedial actions taken to resolve the noted conditions with the Configuration Management Log (CML). 2. Determine the cause as to why the Software Librarian was allowed to perform work prior to receiving the required training.									
7 Initiator R. L. Mandlin <i>R. L. Mandlin</i>		14 Issuance Approved by QADD <i>R. E. Spence</i>							
Date <u>5/27/92</u>		Date <u>5/29/92</u>							
15 Response Accepted QAR		16 Response Accepted QADD							
Date		Date							
17 Amended Response Accepted QAR		18 Amended Response Accepted QADD							
Date		Date							
19 Corrective Actions Verified QAR		20 Closure Approved by: QADD							
Date		Date							

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8 CAR NO.: YM-92-042

DATE: 5/27/92

SHEET: 2 OF 2

QA

CORRECTIVE ACTION REQUEST (Continuation Page)

13 Recommended Action(s) (continued)

3. Develop a plan that provides measures to assure that individuals will complete the necessary training before the performance of quality-related activities.
4. Evaluate personnel training to determine the extent of the condition.

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CAR NO. _____
DATE: _____
PAGE: _____ **OF** _____
QA

CORRECTIVE ACTION REQUEST (Continuation Page)

Format for Corrective Action Response

The CAR response shall include the following information:

1. Corrective Action Response for CAR # _____
 - A. Remedial Action - Actions taken to correct specific deficiencies noted.
(Required for all CARs)
 - B. Investigative Action - Actions taken to determine the extent of the condition.
(Required for all significant conditions adverse to quality or any Condition Adverse to Quality if requested by OQA)
 - C. Root Cause Determination - Identification of the root cause of the condition.
(Required for all significant conditions adverse to quality or any Condition Adverse to Quality if requested by OQA)
 - D. Corrective Action to Preclude Recurrence - Actions taken to address the root cause and preclude recurrence of the condition.
(Required for all significant conditions adverse to quality or any Condition Adverse to Quality if requested by OQA)
2. For each action above, identify the name of the individual assigned responsibility for completion and the anticipated (or actual, if complete) completion date.
3. Response Approved: _____ Date: _____
Responsible Manager

Format for Corrective Action Response

The CAR response shall include the following information:

1. Corrective Action Response for CAR # _____
 - A. Remedial Action - Actions taken to correct specific deficiencies noted.
(Required for all CARs)
 - B. Investigative Action - Actions taken to determine the extent of the condition.
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(Required for all significant conditions adverse to quality or any Condition Adverse to Quality if requested by OQA)
 - D. Corrective Action to Preclude Recurrence - Actions taken to address the root cause and preclude recurrence of the condition.
(Required for all significant conditions adverse to quality or any Condition Adverse to Quality if requested by OQA)
2. For each action above, identify the name of the individual assigned responsibility for completion and the anticipated (or actual, if complete) completion date.
3. Response Approved: _____ Date: _____
Responsible Manager

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6. CAR NO.: YM-92-041
DATE: 5/27/92
SHEET: 1 OF 1
QA

CORRECTIVE ACTION REQUEST

1 Controlling Document SAIC QAPD, Revision 6		2 Related Report No. Audit Report YMP-92-16	
3 Responsible Organization SAIC		4 Discussed With J. W. Estella	
5 Requirement: Paragraph 17.4, Records Correction, states in part, "Provisions for correcting records (and documents that will become records) shall ensure that corrected records are reviewed and approved by the originating organization."			
6 Adverse Condition: Contrary to the above requirements, three REECO calibration reports for equipment serial numbers 9H1029, 269625, and 269614, were corrected prior to submittal to the LRC without review and approval by REECO.			
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	
12 Required Actions: <input checked="" type="checkbox"/> Remedial <input checked="" type="checkbox"/> Extent of Deficiency <input checked="" type="checkbox"/> Preclude Recurrence <input checked="" type="checkbox"/> Root Cause Determination			
13 Recommended Actions: Training shall be initiated to assure all SAIC record sources and personnel handling records are aware of procedural requirements for correcting records.			
7 Initiator R. B. Constable <i>RBC</i> Date <u>5/27/92</u>		14 Issuance Approved by: QADD <i>RBC</i> Date <u>5/27/92</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 _____	

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CORRECTIVE ACTION REQUEST (Continuation Page)