



Department of Energy
 Yucca Mountain Site Characterization
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WBS 1.2.9.3
 QA

FEB 18 1992

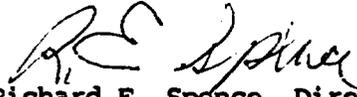
John H. Nelson
 Technical Project Officer
 for Yucca Mountain
 Site Characterization Project
 Science Applications International Corporation
 The Valley Bank Center, Suite 407
 101 Convention Center Drive
 Las Vegas, NV 89109

ISSUANCE OF CORRECTIVE ACTION REQUEST (CAR) YM-92-020 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) AUDIT YMP-92-08 OF TECHNICAL AND MANAGEMENT SUPPORT SERVICES

Enclosed is CAR YM-92-020 generated as a result of YMQAD Audit YMP-92-08.

Please identify the corrective action to be taken and implemented to correct the deficiency. A CAR Continuation Sheet and instructions for completion have been provided. Send the original of your response to Nita J. Brogan, Science Applications International Corporation, Las Vegas, Nevada. Response to the CAR is due 20 working days from the date of this letter. Any extension to the due date must be requested in writing, with appropriate justification, prior to that date.

If you have any questions, please contact either Robert B. Constable at 794-7945 or Mario R. Diaz at 794-7974.



Richard E. Spence, Director
 Yucca Mountain Quality Assurance Division

YMQAD:RBC-1981

Enclosure:
 CAR YM-92-020

cc w/encl:
 K. R. Hooks, NRC, Washington, DC
 S. W. Zimmerman, NWPO, Carson City, NV
 W. V. Macnabb, SAIC, Las Vegas, NV, 517/T-04
 K. W. Moore, SAIC, Las Vegas, NV, 517/T-28
 C. H. Prater, SAIC, Las Vegas, NV, 517/T-06
 C. L. Sellards, SAIC, Las Vegas, NV, 517/T-02

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

Add: K. Hooks Lt. Encl
 1 1
 WM-11
 102.7
 JH03
 11

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

8 CAR NO.: YM-92-020
DATE: 2/5/92
SHEET: 1 OF 2
QA

CORRECTIVE ACTION REQUEST

1 Controlling Document T&MSS QAPD, Revision 4	2 Related Report No. Audit 92-08
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3 Responsible Organization SAIC	4 Discussed With D. Sorensen/G. Donaldson
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5 Requirement:

T&MSS QAPD, Revision 4, Section 12, Paragraph 12.2.B states in part, "Calibration standards shall have accuracy greater than the equipment being calibrated."

T&MSS Standard Practice Procedure SP 1.28, Revision 5, Page 27, Section 1100, states in part, "The (Calibration) Certificate shall contain the following:

- a. SAIC Purchase Order number.
- c. Name of person responsible for performing the calibration.
- j. If the item to be calibrated has a multiple range of operations, the certificate shall show at least five points of calibration... (con't)

6 Adverse Condition:

Several requirements to be recorded on the Certificate of Calibration of various M&TE are missing.

Most of the calibration certificates do not contain the accuracy of the Standard(s) used for the calibration. Without this information, it is not possible to verify and attest that this accuracy is greater than the equipment that was calibrated.

Additionally, the Certificates of Calibration for the following M&TE ID numbers did not contain the information required by items a, c, j, n, and p of Section 5 above.

09064*, 01578, 03353, 17919, 17948

* The certificate for this instrument contained 4 sheets of paper. Only three were traceable to the instrument.

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
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12 Required Actions: Remedial Extent of Deficiency Preclude Recurrence Root Cause Determination

13 Recommended Actions:

7 Initiator M. Diaz 1/30/92 <i>Mario Diaz</i> Date <u>2-5-92</u>	14 Issuance Approved by: QADD <i>[Signature]</i> Date <u>2/5/92</u>
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15 Response Accepted QAR Date	16 Response Accepted QADD Date
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17 Amended Response Accepted QAR Date	18 Amended Response Accepted QADD Date
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19 Corrective Actions Verified QAR Date	20 Closure Approved by: QADD Date
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OFFICE OF CIVILIAN
RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.

8 CAR NO.: YM-92-020
DATE: 2/5/92
SHEET: 2 OF 2
QA

CORRECTIVE ACTION REQUEST (Continuation Page)

5 Requirements (continued)

- n. Procedure/instruction with revision, used to perform the calibration.
- p. Statement that the item calibrated is within the specified accuracy in all operating ranges."

6 Adverse Condition (continued)

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U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.**

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