



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

WBS 1.2.9.3

SEP 09 1992

Carl P. Gertz, Project Manager, YMP, NV

ISSUANCE OF CORRECTIVE ACTION REQUEST (CAR) YM-92-073 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) AUDIT YMP-92-22 OF SANDIA NATIONAL LABORATORIES (SNL)

Enclosed is CAR YM-92-073 generated as a result of YMQAD Audit YMP-92-22 of SNL.

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 by 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 Gerard Heaney at 794-7826.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-5447

Enclosure:
CAR YM-92-073

cc w/encl:

K. R. Hooks, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
S. J. Bodnar, M&O/TRW, Las Vegas, NV
J. D. Verden, M&O/TRW, Las Vegas, NV
J. H. Rusk, MACTEC, Las Vegas, NV
J. W. Estella, SAIC, Las Vegas, NV, 517/T-22
N. J. Brogan, SAIC, Las Vegas, NV, 517/T-12
A. M. Simmons, YMP, NV
B. J. Verna, YMP, NV
W. B. Simecka, YMP, NV

cc w/o encl:

J. W. Gilray, NRC, Las Vegas, NV
S. R. Dippner, SAIC, Las Vegas, NV, 517/T-12
Gerard Heaney, SAIC, Las Vegas, NV, 517/T-12

9209170278 920909
PDR WASTE
WM-11 PDR

YMP-5

ADD: Ken Hooks

Ltr. Encl.

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WM-11
NH03

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

8 CAR NO.: YM-92-073
DATE: 09-03-92
SHEET: 1 OF 1
QA

CORRECTIVE ACTION REQUEST

1 Controlling Document QARD, Revision 4		2 Related Report No. Audit YMP-92-22	
3 Responsible Organization YMP		4 Discussed With A. Simmons	
5 Requirement: The QARD, Revision 4, Appendix A, Paragraph 20.1.B.6 states planning measures include: "The evaluation of data quality to assure that generated data is valid, comparable, complete representative, precise and accurate."			
6 Adverse Condition: The Reference Information Base (RIB), Version 4, Revision 6, contains different values for Thermal/Mechanical Stratigraphy data for Borehole USW G-4. Stratigraphy depths found in Table 1 "Thermal/Mechanical Stratigraphy for Borehole USW G-4" (found in chapter 1, section 1, item 2, page 2 of 3) does not agree with the "Thermal/Mechanical Stratigraphy" values in Figure 1 "Relationship of Stratigraphy, Lithology and Hydrostratigraphic Zones at G-4" (found in chapter 1, section 4, item 4, page 3 of 6) in all cases.			
9 Does a significant condition adverse to quality exist? Yes <u> </u> No <u>X</u> If Yes, Circle One: A B C		10 Does a stop work condition exist? Yes <u> </u> No <u>X</u> ; If Yes - Attach copy of SWO If Yes, Circle One: A B C D	
11 Response Due Date: 20 days after issue			
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: Identify the remedial action to correct the deficiency identified in Block 6. Identify the extent of the deficiency and analyze for any adverse impacts. Identify the planned corrective action to prevent recurrence.			
7 Initiator Jerry Heaney <i>Jerry Heaney</i> Date <u>9-3-92</u>		14 Issuance Approved by: QADD <i>[Signature]</i> Date <u>9/9/92</u>	
15 Response Accepted QAR <u> </u> Date <u> </u>		16 Response Accepted QADD <u> </u> Date <u> </u>	
17 Amended Response Accepted QAR <u> </u> Date <u> </u>		18 Amended Response Accepted QADD <u> </u> Date <u> </u>	
19 Corrective Actions Verified QAR <u> </u> Date <u> </u>		20 Closure Approved by: QADD <u> </u> Date <u> </u>	

ENCLOSURE

REV. 08/91