



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

WBS 1.2.9.3

NOV 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

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF CORRECTIVE ACTION REQUEST
(CAR) YM-92-071 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION
(YMQAD) AUDIT YMP-92-22 OF SANDIA NATIONAL LABORATORIES

The YMQAD staff has verified the corrective action to CAR YM-92-071 and
determined the results to be satisfactory. As a result, the CAR is
considered closed.

If you have any questions, please contact either Robert B. Constable at
(702) 794-7945 or Gerard Heaney at (702) 794-7826.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-1054

Enclosure:
CAR YM-92-071

cc w/encl:

K. R. Hooks, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
R. R. Richards, SNL, 6319, Albuquerque, NM
J. H. Rusk, MACTEC, Las Vegas, NV
A. V. Gil, YMP, NV
W. B. Simecka, YMP, NV
B. J. Verna, YMP, NV

cc w/o encl:

J. H. Hines, OQD, AL
J. W. Gilray, NRC, Las Vegas, NV
N. J. Brogan, SAIC, Las Vegas, NV, 517/T-12

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ADD: Ken Hooks

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

8 CAR NO.: YM-92-071
DATE: 9-1-92
SHEET: 1 OF 1
QA

CORRECTIVE ACTION REQUEST

1 Controlling Document DOP 3-17, Revision 0		2 Related Report No. Audit YMP-92-22	
3 Responsible Organization SNL		4 Discussed With T. Elejwas, R. Richards	
5 Requirement: Procedure DOP 3-17, Revision 0, Paragraph 5.1.1, states that "The final results and outcome of all scientific investigations will be documented in one or more technical information documents. These documents will contain as a minimum, the identification of any and all data that is included in the technical information document (including a specific reference to the origin of the data and the quality assurance level assigned to the activity which generated the data)."			
6 Adverse Condition: Contrary to the above requirement, Sandia Report SAND91-0607 "Preliminary Mapping of Surficial Geology of Midway Valley Yucca Mountain Project, Nye County, Nevada Interim Data Report" does not identify the quality assurance level of the report's resultant data.			
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 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 be taken to correct the deficiency noted in block 6. Identify the extent of the condition and the planned corrective action to prevent recurrence.			
7 Initiator Jerry Heaney <i>Jerry Heaney</i> Date <u>6-31-92</u>		14 Issuance Approved by: OADD <i>R.C. Spence</i> Date <u>9/2/92</u>	
15 Response Accepted OAR <i>Jerry Heaney</i> Date <u>10-6-92</u>		16 Response Accepted OADD <i>R.C. Spence</i> Date <u>10/13/92</u>	
17 Amended Response Accepted OAR _____ Date _____		18 Amended Response Accepted OADD _____ Date _____	
19 Corrective Actions Verified OAR <i>Jerry Heaney</i> Date <u>11-11-92</u>		20 Closure Approved by: OADD <i>R.C. Spence</i> Date <u>11/17/92</u>	

ENCLOSURE

REV. 08/91

**Response to CAR
YM-92-071**

1. Response

1A. Remedial Actions

No remedial action concerning the cited SAND report has been identified. "QA levels" have not been required to be cited in technical reports since October 1990 when Revision 4 of the QARD was issued by the Project Office. The referenced procedure was changed prior to the YMPO audit to delete the use of "QA levels" and is documented in ICN#2.

1B. Investigative Action

The term "Quality Assurance Level" is obsolete terminology and was retired from use by the Project Office in October 1990. Since that time, Project requirements have only called for technical reports to cite with the work activity. An investigation indicates that SAND reports completed in that time period conform with that requirement.

1C. N/A for this CAR.

1D. Corrective Actions to Preclude Recurrence

SAND reports should be more readily usable as references within the YMP. One way to do that is to specifically provide an indication of the QA controls under which the reported activities were performed. Therefore, the reference procedure has been revised to require that the applicable QA Grading Report number be referenced, which uniquely identifies the QA program elements applied to the work activity. This procedure change (ICN#2) was effective August 21, 1992, and the new requirement was added to the SAND Report processing checklist. Another ICN is planned that will add the QAGR revision number to the applicable QAGR reference, and will also add a requirement to identify whether any data reported is "qualified" (i.e., collected under a YMPO-approved QA Program).

2. Responsible Individual and Completion Date

Item 1D — J. C. Friend

Estimated completion date — November 2, 1992

3. Response Approved:

John T. Holmes for
Manager, YMP Management Dept.

9/24/92
Date

Ltr dtd 9/24/92. Blyman to Spencer

OFFICE OF CIVILIAN
RADIOACTIVE WASTE MANAGEMENT
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CORRECTIVE ACTION REQUEST (Continuation Page)

VERIFICATION FOR CAR YM-92-071

ICN Nos. 2 and 3 to DOP 3-17, Revision 0, were generated and approved to fulfill corrective action commitments identified in the SNL response to the CAR.

Gerard Heaney
Gerard Heaney

11-11-92
Date