



## Department of Energy

Nevada Operations Office

P. O. Box 98518

Las Vegas, NV 89193-8518

JAN 08 1990

WBS 1.2.9.3

QA

Larry R. Hayes  
Technical Project Officer for Yucca Mountain Project  
U.S. Geological Survey  
101 Convention Center Drive  
Suite 860  
Las Vegas, NV 89109

ACCEPTANCE OF RESPONSE TO STANDARD DEFICIENCY REPORT (SDR) 416, REVISION 0,  
RESULTING FROM YUCCA MOUNTAIN PROJECT OFFICE (PROJECT OFFICE) QUALITY  
ASSURANCE (QA) AUDIT 89-04 OF U.S. GEOLOGICAL SURVEY (USGS)

The Project Office QA staff has evaluated and accepted your response to  
SDR 416, Revision 0, generated as a result of Project Office QA Audit 89-04 of  
USGS. The SDR will be closed after verification of satisfactory completion of  
the specified corrective actions. A copy of the SDR is enclosed for your  
information.

Verification of completion of your corrective actions will be performed after  
the effective dates that were provided. Any extension to these due dates must  
be requested in writing with appropriate justification prior to the due date.  
Please send a copy of extension requests to Juanita J. Brogan, Science  
Applications International Corporation (SAIC), 101 Convention Center Drive,  
Las Vegas, Nevada 89109, and Ralph W. Gray, U.S. Department of Energy,  
P.O. Box 98518, Las Vegas, Nevada 89193.

If you have any questions, please contact James Blaylock of my staff at  
794-7913, or James E. Clark, of SAIC at 794-7748.

Donald G. Horton, Director  
Quality Assurance Division  
Yucca Mountain Project Office

YMP:JB-1275

Enclosure:  
SDR 416, Revision 0

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PDR WASTE  
WM-11 PDC

FULL TEXT ASCII SCAN

ADD: J Kennedy

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**YMPO STANDARD DEFICIENCY REPORT**

N-QA-038  
4/89

Completed by Originating QA Organization	1 Date August 17, 1989		2 Severity Level <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3		Page 1 of 2
	3 Discovered During Audit 89-4		3a Identified By J. E. Clark		4 SDR No. 416 Rev. 0
	5 Organization USGS		6 Person(s) Contacted Peggy Warner, Mildred Murray		7 Response Due Date is 20 Working Days from Date of Transmittal
	8 Requirement (Audit Checklist Reference, if Applicable) AI #17-5, USGS-QMP-17.04, Revision 3, Sec. 5.3.4, states in part "Quality Verification: The LRC shall check the records, using the Quality Verification Checklist (Attachment 4), to ascertain acceptability of records prior to				
Completed by Organization in Block 5	9 Deficiency Contrary to the requirement, there was no objective evidence that calibration QA Record Forms" had been checked before being processed and retained as a QA record. The filed forms had numerous deficiencies when compared to the				
	10 Recommended Action(s): <input checked="" type="checkbox"/> Remedial <input checked="" type="checkbox"/> Investigative <input checked="" type="checkbox"/> Corrective 1. Revise procedure to establish a method for identifying those records which				
	11 QAE/Lead Auditor/Date <i>R. A. Clark 8/28/89</i>		12 Division Manager/Date <i>Calvin Hedge 8-28-89</i>		13 Project Quality Mgr./Date <i>James Blaylock 8/28/89</i>
Completed by Organization in Block 5	14 Remedial/Investigative Action(s)  See attached response.				15 Effective Date 3-1-90
	16 Cause of the Condition & Corrective Action to Prevent Recurrence  See attached response.				17 Effective Date Complete
	18 Signature/Date <i>Robert B. Rausch for Larry R. Hayes 10-10-89</i> Technical Project Officer Yucca Mtn. Project Branch U.S. Geological Survey				
Comp. by Orig. QA Org.	19 Response Accepted	QAE/Lead Auditor/Date <i>J. E. Clark 12/14/89</i>	Division Manager/Date <i>S. D. Davis 12/14/89</i>	Project Quality Mgr./Date <i>Arthur P. [unclear] 12/14/89</i>	
	20 Corrective Action Verif. Satisfactory	QAE/Lead Auditor/Date	Division Manager/Date	Project Quality Mgr./Date	
	21 Remarks				
22 QA CLOSURE		QAE/Lead Auditor/Date	Division Manager/Date	PQM/Date	

**ENCLOSURE**

**YMPO STANDARD DEFICIENCY REPORT  
CONTINUATION SHEET**

**N-QA-038  
12/88**

**SDR No. 416**

**Rev. 0**

**Page 2 of 2**

8 Requirement ( continued )  
submittal to the CRF.

9 Deficiency ( continued )

Quality Verification Checklist; e.g., no transmittal forms and authentication signatures, and no WBS numbers.

10 Recommended Actions ( continued )

have been subjected to checklist review.

2.

Train records personnel to revised procedure.

3.

Check filed calibration records against Quality Verification Checklist.

4.

Determine the extent of noncompliance among the other QA records.

RESPONSE FOR YMPO STANDARD DEFICIENCY REPORT NO. 416

Please note that SDR 416 has identified USGS QMP-17.04, Revision 3; the correct number is QMP-17.01, Revision 3.

BLOCK 14 REMEDIAL/INVESTIGATIVE ACTION(S):

QA records, including the calibration records, that have been received or collected by the USGS Local Records Center (LRC) prior to 8-21-89, have been segregated from QA records received after 8-21-89. Using the Quality Verification Checklist required by the Modification, these segregated records will be reviewed and placed in the reviewed record files for packaging and shipment to the Central Records Facility (CRF). It is estimated that it will take six months, until 3-1-90, to complete the review of the segregated records for acceptance as QA records into the LRC. Calibration records will be reviewed first and it is anticipated that this specific effort will be completed by 11-30-89. This review will be coordinated with the QA Office to meet the commitments stated in SDR 418.

BLOCK 15 EFFECTIVE DATE: 3-1-90

BLOCK 16 CAUSE OF THE CONDITION & CORRECTIVE ACTION TO PREVENT RECURRENCE:

The condition was caused by the QMP-17.01 requirements pertaining to the Quality Verification Review being interpreted as needed "prior to submittal to CRF", rather than upon receipt and acceptance into the LRC.

A QMP Modification to clarify the requirements was processed during the course of the DOE/YMP Audit. YMP-USGS Modification QMP-17.01, Mod.01, R0, was approved 8-18-89 and effective 8-21-89. On 8-21-89 the YMP-USGS Records Coordinator conducted a review of the Modification with the LRC staff to provide immediate implementation. All new records received by the LRC as of 8-21-89 are being reviewed against the Quality Verification Checklist criteria prior to acceptance into the LRC as a QA Record/Package.

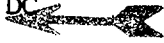
BLOCK 17 EFFECTIVE DATE: Complete

Larry R. Hayes

-2-

JAN 08 1990

cc w/encl:

Ralph Stein, HQ (RW-30) FORS  
D. E. Shelor, HQ (RW-3) FORS  
J. R. Willmon, USGS, Denver, CO  
J. J. Brogan, SAIC, Las Vegas, NV, 517/T-22  
J. E. Clark, SAIC, Las Vegas, NV, 517/T-22  
S. R. Dana, SAIC, Las Vegas, NV, 517/T-06  
J. H. Nelson, SAIC, Las Vegas, NV, 517/T-04  
Cynthia Robertson, SAIC, Las Vegas, NV, 517/T-22  
S. W. Zimmerman, NWPO, Carson City, NV  
J. E. Kennedy, NRC, Washington, DC 

cc w/o encl:

K. G. Sommer, HQ (RW-3) FORS  
D. O. Porter, SAIC, Golden, CO  
Alan Flint, USGS, NTS  
J. W. Gilray, NRC, Las Vegas, NV