

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

WBS 1.2.9.3  
QA


JAN 29 1991

Richard J. Herbst  
Technical Project Officer  
for Yucca Mountain  
Site Characterization Project  
Los Alamos National Laboratory  
University of California  
N-5, Mail Stop-J521  
P.O. Box 1663  
Los Alamos, NM 87545

CLOSURE OF STANDARD DEFICIENCY REPORT (SDR) 511, REVISION 0, RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION AUDIT 90-01 OF LOS ALAMOS NATIONAL LABORATORY

SDR 511, Revision 0, has been closed based on satisfactory verification of completed corrective actions. A copy of the SDR is enclosed for your files.

If you have any questions, please contact either Catherine E. Hampton at (702) 794-7973 or FTS 544-7973, or Donald G. Horton at (702) 794-7356 or FTS 544-7356.

  
Donald G. Horton, Director  
Yucca Mountain Quality Assurance Division

YMQAD:CEH-1805

Enclosure:  
SDR 511, Revision 0

cc w/encl:  
K. R. Hooks, NRC, Washington, DC  
S. W. Zimmerman, NWPO, Carson City, NV  
Stephen Bolivar, LANL, Los Alamos, NM  
J. L. Day, LATA, Los Alamos, NM  
N. J. Brogan, SAIC, Las Vegas, NV, 517/T-08

cc w/o encl:  
J. H. Hines, OGD, AL  
J. B. Tillman, LAEO  
A. R. Chernoff, MSD, AL  
J. W. Gilray, NRC, Las Vegas, NV  
R. A. Morley, LANL, Los Alamos, NM

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ORIGINAL

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N-QA-038  
4/89

## YMPO STANDARD DEFICIENCY REPORT

Completed by Originating QA Organization	1 Date 03/30/90		2 Severity Level <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3		Page 1 of 23
	3 Discovered During YMP Audit 90-1		3a Identified By M. R. Diaz, T. W. Noland		4 SDR No. 511 Rev. 0
	5 Organization Los Alamos		6 Person(s) Contacted H. Nunes		7 Response Due Date is 20 Working Days from Date of Transmittal
	8 Requirement (Audit Checklist Reference, if Applicable) QAP/88-9, Rev. 4, Sect. 1, Para. 1.0 states in part, "The organizational structure, lines of communication, authority and duties of persons and organizations performing activities affecting quality shall be clearly				
Completed by Organization in Block 5	9 Deficiency An implementing procedure that clearly describes the authority and responsibility of each position in the Quality Assurance organization, in effect as of March 27, 1990, does not exist.				
	10 Recommended Action(s): <input checked="" type="checkbox"/> Remedial <input type="checkbox"/> Investigative <input checked="" type="checkbox"/> Corrective Identify the remedial action(s) to be taken to correct the deficiencies noted in Block 9. Identify the cause of the condition and the planned				
	11 QAE/Lead Auditor/Date Harris Jan 4/9/90		12 Division Manager/Date N/A 4-10-90		13 Project Quality Mgr./Date Catharine [Signature] 4-10-90
	14 Remedial/Investigative Action(s)  Refer to Page 3 of 3				
Completed by Organization in Block 5	15 Effective Date July 1, 1990				
	16 Cause of the Condition & Corrective Action to Prevent Recurrence  Refer to Page 3 of 3				
	17 Effective Date July 1, 1990				
	18 Signature/Date H. Nunes 5/18/90				
Comp. by Orig. QA Org.	19 Response Accepted		QAE/Lead Auditor/Date Harris Jan 5/25/90	Division Manager/Date N/A	Project Quality Mgr./Date Catharine [Signature] 5-3-90
	20 Corrective Action Verif. Satisfactory		QAE/Lead Auditor/Date Harris 1/16/91	Division Manager/Date N/A	Project Quality Mgr./Date Catharine [Signature] 1/17/91
	21 Remarks RESPONSE 5/17/90 TWS-EES-13-05-90-066 Accept Response, YMP: CEH-3552, 6-5-90 Extension Request 7/10/90 - TWS-EES-13-07-90-038 - Accepted 8/6/90 - YMP: CEH-4414 Extension Request 10/3/90 - TWS-EES-13-10-90-035 - Accepted 11/7/90 - QA: CEH-693 Extension Request 12/10/90 - TWS-EES-13-12-90-030 Block 20 Corrective Action Verification statement attached 1/16/91				
	22 QA CLOSURE		QAE/Lead Auditor/Date Harris 1/16/91	Division Manager/Date N/A	PQM/Date Catharine [Signature] 1/17/90

ENCLOSURE

**YMPO STANDARD DEFICIENCY REPORT  
CONTINUATION SHEET**

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8 Requirement ( continued )

established and delineated in writing." Para. 2.3 states in part, "The QA responsibilities of all organizational elements depicted on organization charts shall be described."

10 Recommended Actions ( continued )

action to prevent recurrence.

**14. Remedial/Investigative Action(s)**

**Remedial Actions:** LANL management will revise the Quality Assurance Program Plan to describe the organizational structure with reporting authorities, lines of responsibility, and duties properly described in the revision.

**Investigative Actions:** None required.

**16. Cause of the Condition and Corrective Action to Prevent Recurrence**

**Cause of the Condition:** LANL organization was changed before the audit, and no steps were taken to formally record this change in either the LANL Quality Assurance Program Plan or a new implementing procedure.

**Corrective Action to Prevent Recurrence:** A revision to the LANL Quality Assurance Program Plan will be prepared describing the LANL Yucca Mountain organizational structure and submitted to the Yucca Mountain Project Office for approval.

SDR 511 VERIFICATION

BLOCK 20 - Corrective Action Verification

1. Verified the revised Section 1, Organization, and Section 2, Quality Assurance Program, to the LANL. Quality Assurance Plan was submitted to the Project Office for review and acceptance via LANL letter R. J. Herbst to Donald Horton, dated 11/26/90, Subject: Corrective Action Completion on SDR 511, Action Item NN1-1990-3132.
2. Verified Project Office, Quality Assurance Division's Program Control group, reviewed revisions to Section 1 and 2 to the LANL Quality Assurance Plan on 12/21/90. One comment on obsolete title was generated.
3. Verified that a revision was made to Section 2 to incorporate the Project Office review comment via LANL letter R. J. Herbst to Donald Horton, dated 1/3/91, Subject: Corrective Action Completion on SDR 511, Action Item NN1-1990-3132.
4. Verified the Project Office, Quality Assurance Division's Program Control Group, reviewed the revision to Section 2, which incorporated their comment and signed off the acceptance of the proposed changes to Sections 1 and 2 of LANL's Quality Assurance Plan on 1/15/91.

*J. Harris*  
1/16/91

DOCUMENT REVIEW SHEET  
(DRS)N-QA-041  
10/90

Document ID No.:

Proposed QAPP Changes

If "NO" checked in acceptance column, see  
attached CDRS  
(\* Denotes Major Comment)

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REVIEW COMMENTS	RESPONSE	ACCEPTANCE		
		YES	NO	INITIAL/DATE
Reference: Letter, Herbert to Horton, dated 11/26/90 #TWS-EES-13-11-90-057  SECTION 2.1: References to Obsolete title of "PQM" should be changed to "QADD".	Changed SECTION 2.1 as requested (i.e., "PQM" to "QADD".	✓		N. Valdivia 1/15/91

REVIEWED BY:

  
Signature12/21/90  
Date

RESPONSE BY:

  
Signature1/14/91  
Date