



Department of Energy
 Yucca Mountain Site Characterization
 Project Office
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 Las Vegas, NV 89193-8608

WBS 1.2.9:3
 QA

OCT 16 1991

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

CLOSURE OF STANDARD DEFICIENCY REPORT (SDR) 554, REVISION 0, RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION AUDIT YMP-90-03 OF U.S. GEOLOGICAL SURVEY

SDR 554, 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 794-7973 or Richard L. Weeks at 794-7853.

Richard E. Spence, Director
 Yucca Mountain Quality Assurance Division

YMQAD:CEH-331

Enclosure:
 SDR 554, Revision 0

cc w/encl:
 K. R. Hooks, NRC, Washington, DC
 S. W. Zimmerman, NWPO, Carson City, NV
 T. H. Chaney, USGS, Denver, CO

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

9110250171 911016
 PDR WASTE PDR
 WM-11
 YMP-5 220046

ADD: Ken Hooks 1 1
 Ltr. Encl.

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YMPO STANDARD DEFICIENCY REPORT

N-QA-038
4/89

Completed by Originating QA Organization	1 Date 6-28-90		2 Severity Level <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3		Page 1 of 2
	3 Discovered During YI 0-03		3a Identified By R. Weeks and M. Meyer		4 SDR No. 554 Rev. 0
	5 Organization USGS		6 Person(s) Contacted Peggy Warner		7 Response Due Date is 20 Working Days from Date of Transmittal
	8 Requirement (Audit Checklist Reference, if Applicable) SCP Management Plan, Revision 2, Paragraph 6.3 states in part, "The participating organization will submit clean, typed initial draft text that is consistent with the required format (Section 3.4) to the				
Completed by Organization in Block 5	9 Deficiency Although Study Plan 8.3.1.4.2.2 was issued in February 1989, the following conflicts had not been corrected using the Study Plan change process provided in the SCP Management Plan, Revision 2:				
	10 Recommended Action(s): <input checked="" type="checkbox"/> Remedial <input type="checkbox"/> Investigative <input type="checkbox"/> Corrective				
	11 QAE/Lead Auditor/Date <i>Richard L. Weeks 7/17/90</i>		12 Division Manager/Date N/A		13 Project Quality Mgr./Date <i>John D. ... 7-17-90</i>
Completed by Org. QA Org.	14 Remedial/Investigative Action(s) See Attached Response.				
	15 Effective Date _____				
	16 Cause of the Condition & Corrective Action to Prevent Recurrence 17 Effective Date _____				
Comp. by Org. QA Org.	18 Signature/Date <i>Larry R. Hayes 8/20/90</i>				
	19 Response Accepted	QAE/Lead Auditor/Date <i>Richard L. Weeks 11/12/90</i>	Division Manager/Date N/A	Project Quality Mgr./Date <i>John D. ... 11/12/90</i>	
	20 Corrective Action Verif. Satisfactory	QAE/Lead Auditor/Date <i>J. Blaylock 2/21/91</i>	Division Manager/Date N/A	Project Quality Mgr./Date <i>K.C. ... 10/15/91</i>	
	21 Remarks Response, Hayes to Horton, 8-20-90 Request Amended Response 10/5/90 - QA:CEH-133 Request Response Extension 10/16/90 - Hayes to Norton - Accepted 11/6/90 - QA:CEH-684 Request Response Extension 10/29/90 - Hayes to Norton - Accepted 11/7/90 - QA:CEH-723 Amended Response 11/8/90 - Hayes to Norton - Accepted 12/11/90 - YMBAD:CEH-1117 Extension Request Hayes to Norton 11/16/90 - Accepted 10/6/90 - YMBAD:CEH-1039 VERIFICATION NOTE TO FILE DATED 2/21/91 (Cont'd on pg 2)				
22 QA CLOSURE	QAE/Lead Auditor/Date <i>Richard L. Weeks 10/15/91</i>	Division Manager/Date N/A	PQM/Date <i>K.C. ... 10/15/91</i>		

ENCLOSURE

YMPO STANDARD DEFICIENCY REPORT
CONTINUATION SHEET

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SDR No. 554

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8 Requirement (continued)

WMPO for review..."

SCP Management Plan, Revision 2, Paragraph 3.4 states in part,
"Programatic guidance relative to the content requirements and level
of detail for Study Plans was developed by and received concurrence
from the DOE and the NRC in the May 7-8, 1986, SCP level-of-detail
meeting (see Appendix A)."

9 Deficiency (continued)

- 1) Paragraph 3.1.1 (p. 3.1-2) states that transferring geologic data from photos to base maps is a QA Level III work; Appendix A (p. A-5) states that this work is QA Level I.
- 2) Study Plan 8.3.1.4.2.2 was sent to DOE on 12-20-88 (see letter Langer to Gertz) with reference to obsolete Technical Procedure GP-01, Revision 0 although, GP-01, Revision 1 had been issued on 11-8-88. Examples of references to GP-01, Revision 0, which was obsolete at the time Study Plan 8.3.1.4.2.2 was issued, are as follows:
 - o Paragraph 2.1 (p.2.1-1)
 - o Paragraph 3.4.3 (p. 3.4-5)
 - o Table 3.1-1 (p. T-17)
- 3) Table 3.2-1 (p. T-18) requires compliance with both Revisions 0 and 1 of Technical Procedure GP-12. Table 3.2-1 also indicates that the date of issue for both revisions of this procedure is 3-6-83.

21. Remarks

~~Request 6/18/91 - YMP:RAC-4189~~ wh 7/1/91

Continuation Request 6/18/91. YMP:RAC-4189 - accepted 7/1/91 - YMGAD:CEH-4388

Continuation Request 9/20/91. RSED:RAC-5550 - accepted 10/3/91 - YMGAD:CEH-5880

SEE ATTACHMENTS FOR VERIFICATION DOCUMENTATION.