



**Department of Energy**

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WBS #1.2.9.3  
"QA"

*JE Kennedy*

**AUG 09 1989**

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**CLOSURE OF STANDARD DEFICIENCY REPORT (SDR) 242, REVISION 0, RESULTING FROM YUCCA MOUNTAIN PROJECT OFFICE QUALITY ASSURANCE AUDIT 88-05 OF LAWRENCE LIVERMORE NATIONAL LABORATORY**

SDR 242, Revision 0, has been closed based on satisfactory verification of completed corrective action. A copy of the SDR is enclosed for your files.

If you have any questions, please contact James Blaylock of my staff at (702) 794-7913 or FTS 544-7913, or John C. Friend of Science Applications International Corporation at (702) 794-7164 or FTS 544-7164.

Edwin L. Wilmot, Acting Director  
Quality Assurance Division  
Yucca Mountain Project Office

YMP:JB-5277

Enclosure:  
SDR 242, Revision 0

cc w/encl:  
Ralph Stein, HQ (RW-30) FORS  
Dwight Shelor, HQ (RW-3) FORS  
R. E. Schwartz, LLNL, Livermore, CA  
J. J. Brogan, SAIC, Las Vegas, NV, 517/T-12  
L. G. Scherr, SAIC, Las Vegas, NV, 517/T-06  
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S. W. Zimmerman, NWPO, Carson City, NV  
J. E. Kennedy, NRC, Washington, DC  
R. W. Gray, IMD, NV

cc w/o encl:  
D. W. Short, LLNL, Livermore, CA  
Dale Hedges, SAIC, Las Vegas, NV, 517/T-06  
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PDR WASTE PDC  
WM-11

FULL TEXT ASCII SCAN

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VH03*

# WMPO STANDARD DEFICIENCY REPORT

N-QA-038  
3/87

Completed by Originating QA Organization

1 Date Nov 7, 1988		2 Severity Level <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3		Page 1 of 2	
3 Discovered During Audit 88-05		3a Identified By K. Schwartztrauber	3b Branch Chief Concurrence Date		4 SDR No. 242 Rev. 0
5 Organization LLNL		6 Person(s) Contacted B. Manis/R. Aines/N. Cummins		7 Response Due Date is 20 Working Days from Date of Transmittal	
8 Requirement (Audit Checklist Reference, if Applicable) (Audit checklist item T-227) LLNL requirement 033-NWMP-R-19.0, "SOFTWARE QUALITY ASSURANCE", Rev. 0, Section 19.05 defines the software quality assurance records to be generated,					
9 Deficiency Contrary to the above requirements, software QA records generated by the Geochemical modeling (EQ3/6) activities could not be retrieved from the LLNL Records Management System. The documents which were requested, i.e., file					
10 Recommended Action(s): <input checked="" type="checkbox"/> Remedial <input checked="" type="checkbox"/> Investigative <input checked="" type="checkbox"/> Corrective See Audit 88-05 SDR 246 on the LLNL Records Management System for the appropriate corrective actions.					

Aprvl.

11 QAE/Lead Auditor Date J. C. Freind <i>JCF</i> 11/14/88		12 Branch Manager Date H. H. Caldwell <i>HHC</i> NOV 14 1988		13 Project Quality Mgr. Date James Blaylock <i>JB</i> 11/15/88	
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Completed by Organization in Block 5

14 Remedial/Investigative Action(s)  (See Attached)		15 Effective Date _____			
16 Cause of the Condition & Corrective Action to Prevent Recurrence  (See Attached)		17 Effective Date _____			

Comp. by Orig. QA Org.

18 Signature/Date <i>J. C. Freind</i> 12/23/88 <i>R. E. Aines</i> 12/23/88					
19 * <input checked="" type="checkbox"/> Accept <input type="checkbox"/> Amended Response <input type="checkbox"/> Reject		QAE/Lead Auditor/Date <i>Manis</i> 2-1-89		Branch Manager/Date <i>R. Aines</i> 1/8/89	
20 Amended Response <input type="checkbox"/> Accept <input type="checkbox"/> Reject		QAE/Lead Auditor/Date		Branch Manager/Date	
21 Veri- <input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory - cation		QAE/Lead Auditor/Date <i>J. C. Freind</i> 7/31/89		Branch Manager/Date <i>R. Aines</i> 8-28-89	
22 Remarks * Additional Information required from LLNL by 4/1/89 BEFORE THE SDR CAN HAVE CORRECTIVE ACTION VERIFIED <i>JCF</i> 2/8/89 Verification was performed in conjunction with SDR 246. See SDR 246 for Verification Data					
23 QA CLOSURE		QAE/Lead Auditor/Date <i>J. C. Freind</i> 7/31/89		Branch Manager/Date <i>R. Aines</i> 8-28-89	
				PQM/Date <i>James Blaylock</i> 8/2/89	

ENCLOSURE



WMPO STANDARD DEFICIENCY REPORT  
CONTINUATION SHEET

N-QA-U.  
10/86

SDR No. 242

Rev. 0

Page 2 of 2

8 Requirement ( continued )

collected, stored and maintained in accordance with LLNL procedure  
033-NWMP-P-17.0.

9 Deficiency ( continued )

folders, NCR's, publications and procurement documents.

10 Recommended Actions ( continued )

Remedial/Investigative Action(s)

Records for GT and GTEV were located among in-process work and copies were furnished to the auditor.

EQ3/6 Records that have been submitted to the LLNL-YMP Records will be researched further and efforts will be made to locate any records submitted for processing.

Effective Date: 3/01/89

Cause of the Condition & Corrective Action to Prevent Recurrence

Indeterminate at this time.

The existing computer system (Revelation) will be replaced by an in-house computerized records logging and tracking system, offering more flexibility for record retrieval.

Effective Date: 5/01/89

YMPO is in the process of implementing the project-wide Automated Records System (ARS) with promise of better search parameters and more flexibility.

Effective Date: YMPO action

SDR #242

Remedial/Investigative Action(s)

Records for GT and GTEV were located among in-process work and copies were furnished to the auditor.

EQ3/6 Records that have been submitted to the LLNL-YMP Records will be researched further and any records submitted for processing will be located.

At this point in the investigation, there is no evidence that records are "lost", there is only evidence of untimely retrieval. This response will be amended when the effort to search and locate records is completed if records have been lost.

See the SDR #246 OVERALL RESPONSE for further remedial actions.

Effective Date: 4/01/89

Cause of the Condition & Corrective Action to Prevent Recurrence

Indeterminate at this time. Also see the SDR #246, Deficiency #8, response.

The existing computer system (Revelation) will be replaced by an in-house computerized records logging and tracking system, offering more flexibility for record retrieval.

Effective Date: 5/01/89

YMPO is in the process of implementing the project-wide Automated Records System (ARS) with promise of better search parameters and more flexibility.

Effective Date: YMPO action

0497J/12/20/88