



## Department of Energy

Nevada Operations Office  
P. O. Box 98518  
Las Vegas, NV 89193-8518  
MAR 13 1990

WBS 1.2.9.3  
QA

Leslie J. Jardine  
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ACCEPTANCE OF REVISED CORRECTIVE ACTION IMPLEMENTATION DATES FOR STANDARD DEFICIENCY REPORTS (SDRs) 038, REVISION 2, AND 090, REVISION 1, RESULTING FROM YUCCA MOUNTAIN PROJECT OFFICE (PROJECT OFFICE) QUALITY ASSURANCE (QA) AUDIT S-87-1 AND SURVEILLANCE WMPO-SR-88-002 OF LAWRENCE LIVERMORE NATIONAL LABORATORY (LLNL)

The Project Office QA staff has evaluated and accepted your response that provided a new corrective action due date for SDRs 038, Revision 2, and SDR 090, Revision 1, generated as a result of Project Office QA Audit S-87-1 and Surveillance WMPO-SR-88-002 of LLNL last reviewed during Surveillance YMP-SR-90-012. The SDRs will be closed after verification of satisfactory completion of the specified corrective actions. Copies of the SDRs are enclosed for your information.

Verification of completion of your corrective action will be performed after the effective dates that were provided.

If you have any questions, please contact either Robert B. Constable at (702) 794-7945 or FTS 544-7945, or Frank J. Kratzinger at (702) 794-7163 or FTS 544-7163 both of the Project Office QA staff.

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

YMP:RBC-2383

Enclosures:

1. SDR 038, Revision 2
2. SDR 090, Revision 1

9003200386 900313  
PDR WASTE  
WM-11 PDC

FULL TEXT ASCII SCAN

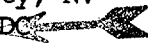
102.7  
WM-11  
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Leslie J. Jardine

-2-

MAR 13 1990

cc w/encls:

Ralph Stein, HQ (RW-30) FORS  
D. E. Shelor, HQ (RW-3) FORS  
F. L. Ramirez, SAN  
F. J. Kratzinger, SAIC, Las Vegas, NV, 517/T-06  
D. W. Short, LLNL, Livermore, CA  
S. W. Zimmerman, NWPO, Carson City, NV  
J. E. Kennedy, NRC, Washington, DC 

cc w/o encls:

N. J. Brogan, SAIC, Las Vegas, NV, 517/T-08  
C. H. Prater, SAIC, Las Vegas, NV, 517/T-06  
J. W. Gilray, NRC, Las Vegas, NV

# WMPO STANDARD DEFICIENCY REPORT

N-QA-038  
3/87

Completed by Originating QA Organization

1 Date Nov 21, 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 S-87-1	3a Identified By F. Ramirez	3b Branch Chief Concurrence Date	4 SDR No. 038 Rev. 2
5 Organization LLNL	6 Person(s) Contacted D. Peifer		7 Response Due Date is 20 Working Days from Date of Transmittal
8 Requirement (Audit Checklist Reference, if Applicable) See Revision 1, of SDR 038 (Attached)			
9 Deficiency Deficiencies with the calibration of Field Test pH meters was identified on 6/18/87 in Rev. 0, of SDR 038. As of Oct 28, 1988, this SDR cannot be closed or verified since a formal calibration program has not been issued or			
10 Recommended Action(s): <input type="checkbox"/> Remedial <input type="checkbox"/> Investigative <input type="checkbox"/> Corrective See corrective actions identified on SDR 090 Rev. 1.			

Aprvl.

11 QAE/Lead Auditor Date <i>[Signature]</i> 11/29/88	12 Branch Manager Date <i>[Signature]</i> 29 Mar 88	13 Project Quality Mgr. Date <i>[Signature for J. Blythe]</i> 11/29/88
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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 _____
18 Signature/Date <i>Ronald E. Hunt</i> 1/9/89	

Comp. by Orig. QA Org.

19 Response	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	<input type="checkbox"/> Amended Response	QAE/Lead Auditor/Date <i>[Signature]</i> 5/1/89	Branch Manager/Date <i>[Signature]</i> 11 May 89
20 Amended Response	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	<input type="checkbox"/> Unrequested	QAE/Lead Auditor/Date <i>[Signature]</i> 7/17/89	Branch Manager/Date <i>[Signature]</i> 8-4-89
21 Verification	<input type="checkbox"/> Satisfactory <input checked="" type="checkbox"/> Unsatisfactory		QAE/Lead Auditor/Date	Branch Manager/Date
22 Remarks Requested Amended response UTA YMP-SR-89-099. S.P. Nolan 6-1-89 VERIFICATION OR CORRECTIVE ACTION WAS UNSATISFACTORY PER SURVEILLANCE 90-012. NEW CORRECTIVE ACTION IMPLEMENTATION DATES REQUIRED. HJK/1/2/89				

23 QA CLOSURE	QAE/Lead Auditor/Date	Branch Manager/Date	PQM/Date	ENCLOSURE
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WMPO STANDARD DEFICIENCY REPORT  
CONTINUATION SHEET

N-QA-038  
10/86

SDR No. 038

Rev. 2

Page 2 of 2

9 Deficiency ( continued )

implemented (Reference SDR 090, Rev. 1 on lack of a Calibration program).  
Without a formal implementing procedure, the status and method of pH meter  
calibration cannot be determined.

LLNL-YMP Response to SDR 038, Rev. 2

BLOCK 14: No change from response submitted to SDR 038, Rev. 1.

BLOCK 15: Same as above.

BLOCK 16:

CAUSE: No change from that reported in SDR 038, Rev. 1.

CORR. ACTION: Technical Implementing Procedure, TIP-YM-1, Operator Calibration of pH Meters and Probes, and Measurement of pH, has been prepared specifically for pH Meters that are calibrated by the operator each time used rather than by the instrument shops.

BLOCK 17: May 1, 1989

# WMPO STANDARD DEFICIENCY REPORT

N-QA-038  
3/87

Completed by Organization in Block 5

1 Date Nov. 21, 1988	2 Severity Level <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3		Page 1 of 2
3 Discovered During Surveillance WMPO-SR-88-002	3a Identified By C. Thompson	3b Branch Chief Concurrence Date	4 SDR No. 090 Rev. 1
5 Organization LLNL	6 Person(s) Contacted J. Dronkers, B. Zucca		7 Response Due Date is 20 Working Days from Date of Transmittal
8 Requirement (Audit Checklist Reference, if Applicable) See Revision 0, of SDR 090 (Attached)			
9 Deficiency During FY 86 Audit finding Nos. 861-1 and 861-2 were written to document the lack of calibration program implementation at LLNL. Subsequently SDR 090 Rev. 0 was issued on 10/20/87 as a Severity Level 1, statusing the program as			
10 Recommended Action(s): <input type="checkbox"/> Remedial <input checked="" type="checkbox"/> Investigative <input checked="" type="checkbox"/> Corrective 1) Evaluate existing work requiring calibration of equipment, and assess if work should continue. After the calibration program is issued, train			

11 QAE/Lead Auditor Date <i>[Signature]</i> 11/29/88	12 Branch Manager Date <i>[Signature]</i> 29 Mar 88	13 Project Quality Mgr. Date <i>[Signature]</i> for Jim BLAYLOCK 11/30/88
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14 Remedial/Investigative Action(s)  SEE ATTACHED	15 Effective Date _____
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16 Cause of the Condition & Corrective Action to Prevent Recurrence  SEE ATTACHED	17 Effective Date _____
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18 Signature/Date  
*R. L. E. [Signature]* 11/9/89

19 Response	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	<input type="checkbox"/> Amended Response	QAE/Lead Auditor/Date <i>[Signature]</i> 5/1/89	Branch Manager/Date <i>[Signature]</i> 1 May 89
20 Amended Response	<input type="checkbox"/> Accept <input type="checkbox"/> Reject		QAE/Lead Auditor/Date	Branch Manager/Date
21 Verification	<input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory		QAE/Lead Auditor/Date <i>[Signature]</i> 7-10-89	Branch Manager/Date

22 Remarks SEE YWP-SR-89-099 for verification details. S.P. Nolan 6-1-89  
REF TO AR-89-6 and SDR 038 (Amended) Response. JCF 7/18/89  
Verification of corrective action was unsatisfactory per surveillance 90-012. MRW corrective action implementation dates requested 1/12/90

23 QA CLOSURE	QAE/Lead Auditor/Date <i>[Signature]</i> 7-10-89	Branch Manager/Date	PQM/Date	ENCLOSURE 2
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WMPO STANDARD DEFICIENCY REPORT  
CONTINUATION SHEET

N-QA-038  
10/86

SDR No. 090

Rev. 1

Page 2 of 2

9 Deficiency ( continued )

still not being implemented. During Audit 88-05 (10/24-28/88) the audit team attempted to verify that the calibration program had been implemented. This corrective action was scheduled for completion by LLNL on 9/30/88. As of the date of the audit, 10/28/88, the corrective actions to SDR 090 Rev. 0, have not been completed. This Severity Level 1 SDR is now into its third year.

10 Recommended Actions ( continued )

personnel, and implement the calibration program.

LLNL-YMP Response to SDR 90, Rev. 1

BLOCK 14: No change from response submitted to SDR 90, Rev. 0.

BLOCK 15: Same as above.

BLOCK 16:

CAUSE: No change from that reported in SDR90, Rev. 0.

CORR. ACTION: QP12.0, Control of Measuring and Test Equipment is being revised to address instrument calibration control requirements.

Facilities with the capability to provide traceable calibrations in accordance with NQA-1 requirements have been identified and contracts have been let.

Support personnel have been assigned to establish an instrument recall and calibration system, and a Technical Area Leader has been designated to provide continuity of management responsibility through implementation.

BLOCK 17: May 1, 1989