



Department of Energy

Yucca Mountain Project Office
P. O. Box 98608
Las Vegas, NV 89193-8608

WBS 1.2.9.3
QA

JUN 29 1990

Leslie J. Jardine
Technical Project Officer
for Yucca Mountain Project
Lawrence Livermore National
Laboratory
P.O. Box 5514, L-217
Livermore, CA 94551

CLOSURE OF STANDARD DEFICIENCY REPORT (SDR) 038, REVISION 2, RESULTING FROM
YUCCA MOUNTAIN PROJECT OFFICE QUALITY ASSURANCE AUDIT S-87-1 OF LAWRENCE
LIVERMORE NATIONAL LABORATORY

SDR 038, Revision 2, 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 Gerard Heaney at (702) 794-7749 or
FTS 544-7749 of the Yucca Mountain Project QA staff.

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

YMP:CEH-3918

Enclosure:
SDR 038

cc w/encl:
Ralph Stein, HQ (RW-30) FORS
D. E. Shelor, HQ (RW-3) FORS
John Lee, SAN
Gerard Heaney, SAIC, Las Vegas, NV, 517/T-06
S. W. Zimmerman, NWPO, Carson City, NV
K. R. Hooks, NRC, Washington, DC ←
D. W. Short, LLNL, Livermore, CA

cc w/o encl:
J. W. Gilray, NRC, Las Vegas, NV
N. J. Brogan, SAIC, Las Vegas, NV, 517/T-08
J. E. Clark, SAIC, Las Vegas, NV, 517/T-12
S. R. Dippner, SAIC, Las Vegas, NV, 517/T-08

YMP-5

9007090364 900629
PDR WASTE
WM-11

FDC

ADD: K Hooks

102.7
WM-11
NH03

WMPO STANDARD DEFICIENCY REPORT

N-QA-038
3/87

Completed by Originating QA Organization in Block 5 Aprvl. 5
Completed by Organization in Block 5
Comp. by Orig. QA Org.

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.		

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 N. Aldred for J. Blythe 11/21/88
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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 <i>Ronald E. Hunt</i> 1/9/89

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> 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> 5-4-89
21 Verification	<input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory		QAE/Lead Auditor/Date <i>[Signature]</i> 6-13-90	Branch Manager/Date <i>[Signature]</i> 6-18-90

22 Remarks Requested Amended response via YMA-SR-89-099.
S.P. Nolan 6-1-89.
VERIFICATION OR CORRECTIVE ACTION WAS UNSATISFACTORY PER SURVEILLANCE 90-012. NEW CORRECTIVE ACTION IMPLEMENTATION DATA REQUESTED. HK/pe/ku
See Attachment A for verification details S.P. 6-13-90

23 QA CLOSURE	QAE/Lead Auditor/Date <i>[Signature]</i> 6-13-90	Branch Manager/Date N/A	PCM/Date <i>[Signature]</i> 6-18-90	ENCLOSURE
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"BEST AVAILABLE COPY"



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.