



**Department of Energy**

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

WBS 1.2.9.3  
QA

OCT 03 1989

Richard J. Herbst  
Technical Project Officer for Yucca Mountain 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) 206, REVISION 0, RESULTING FROM  
YUCCA MOUNTAIN PROJECT OFFICE QUALITY ASSURANCE AUDIT 88-08 OF LOS ALAMOS  
NATIONAL LABORATORY

SDR 206, 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 James Blaylock of my staff at  
(702) 794-7913 or FTS 544-7913, or William H. Camp of Science Applications  
International Corporation at (702) 794-7166 or FTS 544-7166.

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

YMP:JB-6107

Enclosure:  
SDR 206, Revision 0

8910130181 891003  
PDR WASTE  
WM-11 PDC

FULL TEXT ASCII SCAN  
ADD: JEKennedy

WM-11  
102.7  
NH03

# WMPO STANDARD DEFICIENCY REPORT

N-QA-038  
3/87

Completed by Originating QA Organization

1 Date 10/6/88      2 Severity Level  1  2  3      Page 1 of 3

3 Discovered During Audit 88-08      3a Identified By J. Friend/D. Chesnut      3b Branch Chief Concurrence Date      4 SDR No. 206      Rev. 0

5 Organization LANL      6 Person(s) Contacted H. Nunes/S. Dye      7 Response Due Date is 20 Working Days from Date of Transmittal

8 Requirement (Audit Checklist Reference, if Applicable)  
(Audit Checklist Item No. 8-8A) LANL NNWSI QAPP R.2, Section 8.0, Para. 1, Identification and control of data. "The identification of NNWSI Project Data includes a reference to the origin of the data."

9 Deficiency  
Milestone Report No. R718, 10/7/87 "Formation, Characterization, and Stability of Plutonium (IV)-Colloid" is not traceable to the source of primary data. The report contains no references to the laboratory notebooks (or other

10 Recommended Action(s):  Remedial  Investigative  Corrective  
1. A review of existing Los Alamos Milestone Schedules and other reports to ensure the location and identification of the appropriate laboratory and

Completed by Organization in Block 5

11 QAE/Lead Auditor Date *William H. Camp* 11/4/88      12 Branch Manager Date *J. Friend* 9/11/88      13 Project Quality Mgr. Date *James Blaylock* 11/14/88

14 Remedial/Investigative Action(s)  
*Refer to Page 3 of 3*  
15 Effective Date 4/27/89

16 Cause of the Condition & Corrective Action to Prevent Recurrence  
*Refer to Page 3 of 3*  
17 Effective Date 1/27/89

18 Signature/Date  
*H. Nunes* 12/21/88

Comp. by Orig. QA Org.

|                     |   |  |   |   |
|---------------------|---|--|---|---|
| 19 Response         | <input type="checkbox"/> Accept<br><input type="checkbox"/> Reject                          | <input checked="" type="checkbox"/> Amended Response | QAE/Lead Auditor/Date<br><i>William H. Camp</i> 2-10-89 | Branch Manager/Date<br><i>J. Friend</i> 10 Feb 89 |
| 20 Amended Response | <input checked="" type="checkbox"/> Accept<br><input type="checkbox"/> Reject               |  | QAE/Lead Auditor/Date<br><i>William H. Camp</i> 4-19-89 | Branch Manager/Date<br><i>J. Friend</i> 20 Apr 89 |
| 21 Verification     | <input checked="" type="checkbox"/> Satisfactory<br><input type="checkbox"/> Unsatisfactory |  | QAE/Lead Auditor/Date<br><i>C.C. Wynn</i> 10/21/89      | Branch Manager/Date<br><i>J. Friend</i> 9/21/89   |

22 Remarks TWS-QAS-QP-3.2, RO WAS REVIEWED WITHOUT COMMENT ON 5/22/89 (SEE SDR REPORT YMP-3R-89-104). VERIFICATION OF PERSONNEL TRAINING TO THIS PROCEDURE WAS PERFORMED ON 8-9-89. BECAUSE IMPLEMENTATION OF TWS-QAS-QP-3.2 IS NOT EXPECTED IN THE <sup>FORSEEABLE</sup> FUTURE, IMPLEMENTATION CANNOT BE VERIFIED AT THIS TIME. HOWEVER, THIS PROCEDURE WILL BE SUBJECT TO EVALUATION BY VARIOUS ORGANIZATIONS WHEN IMPLEMENTED.

23 QA CLOSURE      QAE/Lead Auditor/Date *C.C. Wynn* 10/21/89      Branch Manager/Date *J. Friend* 9/21/89      PQM/Date *James Blaylock* 9/21/89



WPMO STANDARD DEFICIENCY REPORT  
CONTINUATION SHEET

N-QA-038  
10/86

SDR No. 206

Rev. 0

Page 2 of 3

9 Deficiency ( continued )

documents) used for applicable experiments.

10 Recommended Actions ( continued )

field notebooks is clear, with the issuance of addenda to affected reports with the additional data; and

2. addition of review criteria to internal reviews of new milestone reports to insure that such links are clearly spelled out.

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

The audit finding incorrectly references Section 8.0, Paragraph 1, of the LANL QAPP, Rev. 2 (effective 4/25/88). Section 8.3, Paragraph 1, contains the cited stipulation. The LANL QAPP, Rev. 1 (effective 5/11/87), did not contain such a stipulation.

Reports issued after 4/25/88 will be reviewed and added as appropriate.

The technical review procedure (TWS-QAS-QP-03.2, R0), currently undergoing revision, will include review criteria pertaining to the referencing of YMP data sources.

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

**Cause:** Inadequate procedural direction. The applicable procedure (TWS-QAS-QP-07, R2) was not properly revised to reflect changes in the QAPP.

**Corrective Action:** Implement and train personnel to revised procedure by 1/27/89.

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

The audit finding incorrectly references Section 8.0, Paragraph 1, of the LANL QAPP, Rev. 2 (effective 4/25/88). Section 8.3, Paragraph 1, contains the cited stipulation. The LANL QAPP, Rev. 1 (effective 5/11/87), did not contain such a stipulation.

Reports issued after 4/25/88 will be reviewed and addended as appropriate.

The technical review procedure (TWS-QAS-QP-07, R2) is being revised and will be issued as TWS-QAS-QP-03.2, R0. This procedure will include review criteria pertaining to the referencing of YMP data sources.

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

**Cause:** Inadequate procedural direction. The applicable procedure (TWS-QAS-QP-07, R2) was not properly revised from earlier revisions to reflect changes in the QAPP.

**Corrective Action:** Implement and train personnel to QP-03.2, R0, by 4/15/89.

OCT 03 1989

Richard J. Herbst

-2-

cc w/encl:

Ralph Stein, HQ (RW-30) FORS  
Dwight Shelor, HQ (RW-3) FORS  
H. P. Nunes, LANL, Los Alamos, NM  
J. J. Brogan, SAIC, Las Vegas, NV, 517/T-12  
W. H. Camp, SAIC, Las Vegas, NV, 517/T-06  
J. H. Nelson, SAIC, Las Vegas, NV, 517/T-04  
S. W. Zimmerman, NWPO, Carson City, NV  
J. E. Kennedy, NRC, Washington, DC 

cc w/o encl:

H. E. Valencia, LAAO  
J. W. Hines, NWQA, AL  
A. R. Chernoff, MSD, AL  
G. P. Fehr, SAIC, Las Vegas, NV, 517/T-12  
V. D. Hedges, SAIC, Las Vegas, NV, 517/T-06  
A. L. Temple, SAIC, Las Vegas, NV, 517/T-38  
R. J. Bahorich, W, Las Vegas, NV, 517/T-12  
J. W. Gilray, NRC, Las Vegas, NV