



Department of Energy

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

WBS 1.2.9.3
QA

OCT 22 1990

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

ACCEPTANCE OF AMENDED RESPONSE TO STANDARD DEFICIENCY REPORT (SDR) 465,
REVISION 0, RESULTING FROM YUCCA MOUNTAIN PROJECT OFFICE (PROJECT OFFICE)
QUALITY ASSURANCE (QA) AUDIT 89-07 OF LOS ALAMOS NATIONAL LABORATORY
(LOS ALAMOS)

The Project Office QA staff has evaluated and accepted your amended
response to SDR 465, Revision 0, generated as a result of Project Office
QA Audit 89-07 of Los Alamos. The SDR will be closed after verification of
satisfactory completion of the specified corrective actions. A copy of the
SDR is enclosed for your information.

Verification of completion of your corrective action will be performed after
the effective dates that were provided. Any extension to these due dates
must be requested in writing with appropriate justification prior to the
due date. Please send copies of the extension request to Nita J. Brogan,
Science Applications International Corporation, 101 Convention Center Drive,
Las Vegas, Nevada 89109.

If you have any questions, please contact either Catherine E. Hampton at
(702) 794-7973 or FTS 544-7973 or Stephen R. Dana at (702) 794-7176 or
FTS 544-7176 of the Yucca Mountain Project QA staff.

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

QA:CEH-402

Enclosure:
SDR 465, Revision 0

9010290203 901022
PDR WASTE
WM-11 FDC

YMP-5

FULL TEXT ASCII SCAN

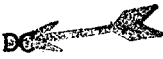
102.7
WM-11
NH03

OCT 22 1990

Richard J. Herbst

-2-

cc w/encl:

K. R. Hooks, NRC, Washington, DC 
S. W. Zimmerman, NWPO, Carson City, NV
H. P. Nunes, LANL, Los Alamos, NM
J. L. Day, LATA, Los Alamos, NM

cc w/o encl:

H. E. Valencia, LAAO
J. W. Hines, OQD, AL
A. R. Chernoff, MSD, AL
J. W. Gilray, NRC, Las Vegas, NV
R. A. Morley, LANL, Los Alamos, NM
N. J. Brogan, SAIC, Las Vegas, NV, 517/T-08

YMPO STANDARD DEFICIENCY REPORT

N-QA-038
4/89

Completed by Originating QA Organization

1 Date 11-17-89	2 Severity Level <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3	Page 1 of 23
3 Discovered During Audit 89-7	3a Identified By M. J. Mitchell	4 SDR No. 465 Rev. 0
5 Organization Los Alamos Nat'l Lab	6 Person(s) Contacted R. Herbst, H. Nunes	7 Response Due Date is 20 Working Days from Date of Transmittal
8 Requirement (Audit Checklist Reference, if Applicable) (Checklist Item N/A) LANL-YMP-QAPP, Rev. 4.4, Para. 3.1.6.1, states in part "DPs used for scientific investigations shall provide for the following as appropriate:		
9 Deficiency Many DPs do not address acceptance and rejection criteria or limits or the applicability of this subject to the work covered by the DP. Examples of this condition include:		
10 Recommended Action(s): <input checked="" type="checkbox"/> Remedial <input checked="" type="checkbox"/> Investigative <input checked="" type="checkbox"/> Corrective Identify the remedial action(s) to be taken to correct the deficiencies noted in block 9. Investigate the program, process, activities, or documentation to		

Aprvl.

11 QAE/Lead Auditor/Date <i>S. Dana 11/30/89</i>	12 Division Manager/Date <i>N. Herbst 12-1-89</i>	13 Project Quality Mgr./Date <i>[Signature] 12/1/89</i>
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Completed by Organization in Block 5

14 Remedial/Investigative Action(s) Refer to Page 3 of 3	15 Effective Date <u>2/16/90</u>
16 Cause of the Condition & Corrective Action to Prevent Recurrence Refer to Page 3 of 3	17 Effective Date <u>2/16/90</u>
18 Signature/Date <i>H. Nunes 1/12/90</i>	

Comp. by Orig. QA Org.

19 Response Accepted	QAE/Lead Auditor/Date <i>S. Dana 2/21/90</i>	Division Manager/Date <i>S. Dana 2/21/90</i>	Project Quality Mgr./Date <i>[Signature] 2/21/90</i>
20 Corrective Action Verif. Satisfactory	QAE/Lead Auditor/Date	Division Manager/Date	Project Quality Mgr./Date
21 Remarks 1 See ltr. Herbst to Hoston, dtd 2/12/90, SDR Response Clarifications & Amendments and SDR response ltr, Herbst to Hoston, dtd. 1/11/90. Accept Response 3/6/90 - YMP: RDC - 2245 Corrective Action Verification Unsatisfactory <i>S. Dana 6/26/90</i> Unsat. Verification ltr dtd 7/12/90 - YMP: CEH-3959 Response 7/18/90 - Herbst to Hoston Amended Response Acceptable <i>S. Dana 7/26/90 CEH 7/26/90</i>			

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QA CLOSURE	QAE/Lead Auditor/Date	Division Manager/Date	PQM/Date
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ltr dtd 1/11/90 - TWS-EES-13-01-90-065

YMPO STANDARD DEFICIENCY REPORT
CONTINUATION SHEET

N-QA-038
12/88

SDR No. 465

Rev. 0

Page 2 of 23

CDM

8 Requirement (continued)

- o Acceptance and rejection limits and criteria, including required levels of precision and accuracy."

TWS-QAS-QP-05.2, Rev. 2, Para. 6.3.7.6 states in part "Include criteria (eg., postrequisites and final conditions) for ensuring that DPs have been performed correctly."

9 Deficiency (continued)

TWS-EES-DP-54, Rev. 1
TWS-EES-DP-102, Rev. 1
TWS-EES-DP-114, Rev. 1
TWS-EES-DP-124, Rev. 0
TWS-INC-DP-27, Rev. 0

10 Recommended Actions (continued)

determine the extent and depth of similar deficient conditions listed as examples on the SDR. Identify the deficiencies and provide the measures required to correct them. Identify the cause of the condition and the planned corrective action to prevent recurrence.

14 Remedial/Investigative Action(s)

Investigative Actions: Review the following Dps for incorporation of accept reject criteria: DP 54, R1; DP102, R1; DP 114, R0; DP 124, R0; DP 27, R1. Of note, two procedures in Block 9 of the SDR reference the wrong revision number: TWS-EES-DP-114, Rev. 1, is actually Rev. 0, and TWS-INC-DP-27, Rec. 0, is actually Rev. 1. Further, review all remaining technical implementing procedures.

Remedial Action: Issue a change request to each of the above five referenced procedures to add an accept reject criteria section.

16 Cause of the Condition & Corrective Action to Prevent Recurrence

Cause of the Condition: The implementing procedure, ~~QP~~QP-05.2, Preparation of a Detailed Technical Procedure, failed to adequately instruct the preparer on inclusion of accept/reject criteria limits.

Corrective Action to Prevent Recurrence: Issue a change request to QP-05.2, R1, incorporation the requirement for a specific section stating the accept/rejection criteria and limits. Modify other detailed technical procedures, as necessary, to include accept reject criteria limits.

SDR 463-Clarification

1. Add the following to Block 16-Cause of Condition & Corrective Action to Prevent Recurrence:

"Training will be provided to reviewers to identify the relationship of QP03.2 and QP03.16 and emphasize appropriate use of these procedures during the review process."

SDR 464-Amendment

1. Change Block 16-Cause of Condition and Corrective Action to Prevent Recurrence to read as follows:

"Cause-Study plans were not checked after changes(additions) were made to ensure changes did not impact technical content. These changes were made at the verbal direction of the Project Office."

"Corrective Action to Prevent Recurrence-Remaining Study Plans will be checked by Technical Reviewers to ensure any changes or additions do not impact technical content of the Study Plans prior to submittal to the Project Office."

SDR 465-Amendment

1. Change Block 14-Remedial\Investigative Action(s) to read as follows:

"Remedial Action-The DPs listed in Block 9 of the SDR will be reviewed and corrected as necessary to address acceptance and reject criteria or limits."

"Investigative Action-All remaining DPs will be reviewed to ensure that acceptance and reject criteria or limits are adequately addressed in these procedures. Corrections to remaining DPs will be made as necessary."

SDR 466-Amendment

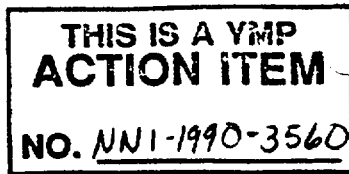
1. Change Corrective Action to Prevent Recurrence in Block 16 to read as follows:

"All manual holders will be retrained in QP06.1 document control requirements. During the following quarter, the LANL QAS will verify from a random sample of QA Manuals that a 95% confidence level for the manuals has been achieved. In addition, an overview of QA Manuals for

See dtd 2/12/90-TWS-EES-13-02-90-033

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545



WBS 1.2.9.3
QA

QA RECEIVED

July 10, 1990

JUL 16 1990

TWS-EES-13-07-90-040

Mr. Donald Horton
Yucca Mountain Project Office
U. S. Department of Energy
P. O. Box 98608
Las Vegas, NV 89193-8608

Dear Mr. Horton:

SUBJECT: YUCCA MOUNTAIN PROJECT OFFICE QUALITY ASSURANCE AUDIT NO. 89-7, STANDARD DEFICIENCY REPORT (SDR), NO. 465, ACTION ITEM NO. NN1-1990-3560, AMENDED RESPONSE

Reference: Letter, Horton to Herbst, dated July 2, 1990

For your review is the amended response requested in the above referenced letter to SDR No. 465.

SDR No. 465, Revise the SDR to read as follows:

Block 14, Remedial/Investigative Action(s): LANL implementing procedure QP-05.2 will be revised to reflect the requirements of the LANL QA Program Plan, R4.3, Section 3.2.6.1. This will assure that DP development is consistent across all LANL detailed technical procedures (DPs). The revision to QP-05.2 will require that revisions to existing DPs incorporate procedural requirements, when appropriate.

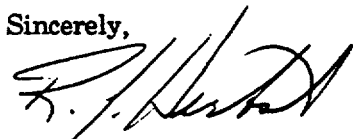
Block 15, Effective Date: August 31, 1990

Block 16, Corrective Action to Prevent Recurrence: Read training will be required before any LANL staff can prepare a new DP or revise an existing DP.

Block 17, Effective Date: September 30, 1990

If you have any questions regarding this amended response, please contact Henry Nunes at (FTS) 843-8039.

Sincerely,



Richard J. Herbst

HPN/kb

Mr. Donald Horton
TWS-EES-13-07-90-040
July 10, 1990
Page 2

Cy: J. Blaylock, DOE/YMP, Las Vegas, NV
S. R. Dana, SAIC, Las Vegas, NV
J. Brogan, SAIC, Las Vegas, NV
A. K. Sacco, DOE/YMP, Las Vegas, NV
S. L. Bolivar, EES-1, MS D462
D. E. Broxton, EES-1, MS D462
K. Campbell, A-1, MS F600
J. A. Canepa, EES-13, MS J521
B. A. Carlos, EES-1, MS D462
M. J. Clevenger, EES-15, MS J495
E. M. Cole, LATA, MS M321
G. P. Cort, EES-13, MS J521
B. M. Crowe, EES-13/LV, MS J900/527
J. L. Day, LATA, MS M321
C. J. Duffy, INC-7, MS J514
M. H. Ebinger, EES-15, MS J495
K. G. Eggert, EES-5, MS F665
K. L. Foster, LATA, MS M321
C. D. Harrington, EES-1, MS D462
L. E. Hersman, LS-2, MS M880
D. E. Hobart, INC-11, MS G739
H. N. Kalia, EES-1/LV, MS J900/527
S. S. Levy, EES-1, MS D462
A. Meijer, INC-7, MS J514
T. L. Morgan, INC-7, MS J519
D. E. Morris, INC-11, MS G739
R. A. Morley, EES-1/LV, MS J900/527
J. T. Fabryka-Martin, INC-7, MS J514
H. P. Nunes, EES-13, MS J521
E. S. Patera, INC-DO, MS J514
B. A. Robinson, EES-4, MS D443
R. S. Rundberg, INC-11, MS J514
L. W. Schempp, MEE-9, MS J521
E. P. Springer, EES-15, MS J495
S. R. Sebring, MAT-3, MS P274
D. N. Simundson, LATA, MS M321
K. W. Thomas, INC-11, MS J514
I. R. Triay, INC-11, MS J514
D. T. Vaniman, EES-1, MS D462
K. A. West, EES-13, MS J521
RPC File (2), LATA, MS M321
TWS-EES-13 File, MS J521
QAS File, LATA, M321
CRM-4, MS A150