



Department of Energy

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

WBS 1.2.9.3
QA

JUL 06 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) 464,
REVISION 0, RESULTING FROM YUCCA MOUNTAIN PROJECT OFFICE (PROJECT OFFICE)
QUALITY ASSURANCE (QA) AUDIT 89-7 OF THE LOS ALAMOS NATIONAL LABORATORY
(LOS ALAMOS)

The Project Office QA staff has evaluated and accepted your amended response
to SDR 464, Revision 0, generated as a result of Project Office QA Audit 89-7
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.

The amended response did not include new effective dates for completion of
corrective action. It is requested that Los Alamos submit new effective
dates within 10 working days from the date of this letter. 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, and Ralph W. Gray,
U.S. Department of Energy, P.O. Box 98518, Las Vegas, Nevada 89193.

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.

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

YMP:CEH-3858

Enclosure:
SDR 464, Revision 0

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PDR WASTE
WM-11 PDC

YMP-5

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FULL TEXT ASCII SCAN

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102.7
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NH03

YMPO STANDARD DEFICIENCY REPORT

N-QA-038
4/89

Completed by Originating QA Organization

Completed by Organization in Block 5

Comp. by Orig. QA Org.

1 Date 11/14/89	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 S.L. Crawford	4 SDR No. 464 Rev. <u>0</u>
5 Organization Los Alamos Nat'l Lab	6 Person(s) Contacted R. Herbst, various PI's	7 Response Due Date is 20 Working Days from Date of Transmittal
8 Requirement (Audit Checklist Reference, If Applicable) (Q#3-1, 3-2) YMP AP-1.10Q, Rev. 0, paras. 5.1.2 and 5.1.5 require project participants to perform a technical review of SCP study plans prior to submittal to the Project Office. LANL TWS-QAS-QP-03.3, Rev. 0, para 6.2.1,		
9 Deficiency Several study plans, submitted to the Project Office subsequent to the effective date of AP-1.10Q, had been technically reviewed in a different form and content than the version actually submitted to the Project Office. No		
10 Recommended Action(s): <input checked="" type="checkbox"/> Remedial <input type="checkbox"/> Investigative <input checked="" type="checkbox"/> Corrective Identify the remedial action to be taken to correct the deficiencies noted in block 9. Identify the cause of the condition and the planned action to		
11 QAE/Lead Auditor/Date <i>S. Jones 11/30/89</i>	12 Division Manager/Date <i>Robert Herbst 12-1-89</i>	13 Project Quality Mgr./Date <i>[Signature] 12/1/89</i>
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>[Signature] 1/12/90</i>		
19 Response Accepted	QAE/Lead Auditor/Date <i>[Signature] 2/22/90</i>	Division Manager/Date <i>[Signature] 2/22/90</i>
20 Corrective Action Verif. Satisfactory	QAE/Lead Auditor/Date	Division Manager/Date
21 Remarks ① Def. SDR response, Herbst to Horton, dtd. 1/11/90 and response clarification and amendments wr, Herbst to Horton (TWS-13-02-90-33) Accept Response 3/6/90 - YMP-RBC-2245 Remedial Response 4/23/90 - TWS-EES-13-04-90-061 Accept Remedial Amended Response S. Jones 4/26/90 [Signature] 4/26/90		
22 QA CLOSURE	QAE/Lead Auditor/Date	Division Manager/Date
		PQM/Date

File dtd 11/190 - TWS-EES-13-01-90-065

YMPO STANDARD DEFICIENCY REPORT
CONTINUATION SHEET

N-QA-038
12/88

SDR No. 464

Rev.

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CRPM

8 Requirement (continued)

requires study plans to be "...reviewed technically according to QPS-3.02..."

9 Deficiency (continued)

check or review was documented to assure that changes occurring between the technical review and submission to the Project Office either did not impact technical content of the study plan or that an additional review of the changes for technical adequacy was performed.

It is noted that all study plans having technical reviews performed prior to AP-1.10Q (and prior to QP-03.3) have already been submitted to the Project Office. Only three (3) LANL study plans remain to be submitted.

10 Recommended Actions (continued)

prevent recurrence.

14 Remedial/Investigative Actions

Remedial Action: The Project Office and DOE/Headquarters have already conducted additional reviews. No further remedial action is required.

Investigative Action: The SDR does not specify what the difference in format and content was, but we conclude that the difference was 1) the addition of a QA appendix, and 2) the addition of a brief abstract. For ongoing studies, the appendix includes quality assurance level assignments (QALAs) and a matrix. The QALAs were already reviewed and approved by the Project Office, no additional review was required. The QA appendix does not provide any new information-- it is a summary of information that is readily available from other sources. The abstract is a short (1-3 paragraph) summary of the existing technical content of the study plan and does not change the technical content of the plans.

The subject study plans have all undergone additional screening, technical, management, and quality assurance reviews at both the Project Office and DOE/HQ. Any problems associated with the additions would have been identified during these reviews.

16 Cause of Condition & Corrective Action to Prevent Recurrence

Cause of Condition: Compliance with verbal direction from the Project Office.

Corrective Action to Prevent Recurrence: Require LANL staff to obtain written confirmation of verbal direction from the Project Office.

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

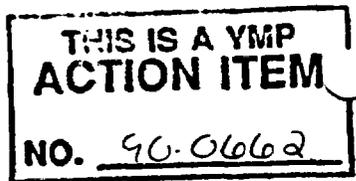
1. Change Corrective Action to Prevent Recurrence in Block 16 to read as follows:

"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

Handwritten: SDR 466-1/24/70-TIC-EES-13-02-70-003

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545



WBS: 1.2.9.3.A
"QA"

April 23, 1990

TWS-EES-13-04-90-061

Mr. Donald G. Horton
Yucca Mountain Project Office
U. S. Department of Energy
P. O. Box 98518
Las Vegas, NV 89193-8518

Dear Mr. Horton:

**SUBJECT: STANDARD DEFICIENCY REPORTS (SDR) NO. 460 - 471, FROM YMP
AUDIT NO. 89-7, RESPONSE AMENDMENTS AND EXTENSION REQUEST
(ACTION ITEM NN1-1990-0662)**

REFERENCE: Letter, Horton to Herbst, dated February 12, 1989

Subsequent to YMPO audit No. 90-1, the following amended SDR responses are necessary.
Your review and approval of the following is requested:

SDR No. 464-Amendment

**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. No action can be taken at this time as all actions rest with the Project
Office and their resubmittal of the Study Plans to Los Alamos for
incorporation of their review comments."**

SDR 468-Amendment

**Block 17--Request extension to April 27, 1990, to complete all required
deficiency system training.**

JUL 06 1990

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cc w/encl:

Ralph Stein, HQ (RW-30) FORS
D. E. Shelor, HQ (RW-3) FORS
K. R. Hooks, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
H. P. Nunes, LANL, Los Alamos, NM
S. R. Dana, SAIC, Las Vegas, NV, 517/T-06
C. C. Warren, MACTEC, Las Vegas, NV

cc w/o encl:

H. E. Valencia, LAO
J. W. Hines, OQD, AL
A. R. Chernoff, MSD, AL
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