



Department of Energy

Washington, DC 20585

OCT 20 1993

*Sharon  
Please  
enter in system  
Thanks Bill Bertke*

Mr. Joseph J. Holonich, Director  
Repository Licensing and Quality  
Assurance Project Directorate  
Division of High-Level Waste Management  
Office of Nuclear Material Safety  
and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Holonich:

This is in response to a request by the U.S. Nuclear Regulatory Commission (NRC) at the July 20, 1993, NRC/U.S. Department of Energy (DOE) Quality Assurance (QA) meeting for a copy of a Corrective Action Request (CAR) which resulted from a discussion during the meeting of how QA reviews of study plans are conducted by the originating participant, Yucca Mountain Site Characterization Project Office, and the Office of Civilian Radioactive Waste Management.

As explained by DOE during the meeting, until November 1991, the DOE Office of Quality Assurance (OQA) reviewed and approved study plans. Based on the redundancy of the study plan review process between the participant and DOE, the review process by OQA was discontinued because it was decided that, since study plans were technically oriented, rather than QA oriented, the participant's QA review was sufficient and, therefore, unnecessary for OQA to duplicate these reviews. In March 1993, it was found that the study plan review process was not being performed as intended which resulted in the issuance of a CAR.

Based on the above, enclosed, as requested, is a copy of CAR No. YM-93-041. Should you have any questions in this regard, please contact Sharon Skuchko of my office at (202) 586-4590.

Sincerely,

Dwight E. Shelor  
Associate Director for  
Systems and Compliance  
Office of Civilian Radioactive  
Waste Management

010007

Enclosure:  
Corrective Action Request  
No. YM-93-041

9312060077 931020  
PDR WASTE WM-11 PDR

*102.7  
WM-11  
NH03*

cc w/Enclosure:

R. Dyer, YMPO  
T. J. Hickey, Nevada Legislative Committee  
R. Loux, State of Nevada  
D. Bechtel, Las Vegas, NV  
L. Fiorenzi, Eureka County, NV  
R. Williams, Lander County, NV  
P. Niedzielski-Eichner, Nye County, NV  
W. Offutt, Nye County, NV  
L. Bradshaw, Nye County, NV  
C. Schank, Churchill County, NV  
F. Mariani, White Pine County, NV  
V. Poe, Mineral County, NV  
J. Pitts, Lincoln County, NV  
J. Hayes, Esmeralda County, NV  
B. Mettam, Inyo County, CA  
K. Hooks, NRC

**OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.**

8 CAR NO.: YM-93-041  
DATE: 03/26/93  
SHEET: 1 OF 25  
QA 8/3/93

**CORRECTIVE ACTION REQUEST**

1 Controlling Document  
QOE/RW-0214, QARD, Revision 4

2 Related Report No.  
RTN

3 Responsible Organization  
YMPO/YMQAD

4 Discussed With  
C. Hampton/R. Rogers

5 Requirement:  
QARD, DOE/RW-0214, Revision 4, Section 6.3 states, "The quality assurance organization shall review, and where applicable, concur with controlled documents that contain or implement quality assurance requirements."

6 Adverse Condition:  
Contrary to the above QARD Requirement, the following revisions of AP-1.10Q, "Preparation, Review, Approval, and Revision of Site Characterization Plan Study Plan," did not require QA review of Study Plans:

- \* Revision 2 (effective 10/9/90)
- \* Revision 3 (effective 3/26/91)
- \* Revision 4 (effective 7/5/91)
- \* Revision 5 (effective 4/15/91)

9 Does a significant condition adverse to quality exist? Yes \_\_\_ No X  
If Yes, Circle One: A B C

10 Does a stop work condition exist? Yes \_\_\_ No X; If Yes - Attach copy of SWO  
If Yes, Circle One: A B C D

11 Response Due Date:  
20 Working Days from Issuance

12 Required Actions:  Remedial  Extent of Deficiency  Preclude Recurrence  Root Cause Determination

13 Recommended Actions:  
Establish a listing of all study plans processed through AP-1.10Q from 10/9/90 to present. Investigate Participant QA Program to determine if study plans processed during this period were reviewed under Participant QA programs. Generate CARs identifying Participant QA program that have not addressed QA review of study plans. Instruct participants to provide documentation of QA reviews on study plans generated from 10/9/90 to present.

7 Initiator  
John A. Gray Date 3/26/93

14 Issuance Approved by:  
QADD [Signature] Date 3/30/93

15 Response Accepted  
QAR C.C. Wam Date 5-6-93

16 Response Accepted  
QADD [Signature] Date 05-17-93

17 Amended Response Accepted  
QAR C.C. Wam Date 5-18-93

18 Amended Response Accepted  
QADD [Signature] Date 5/26/93

19 Corrective Actions Verified  
QAR C.C. Wam Date 6-30-93

20 Closure Approved by:  
QADD [Signature] Date 07-21-93

OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.

CAR NO. YM-93-041  
DATE: 5-13-93  
PAGE: 31 OF 45  
QA 8/3/93

**CORRECTIVE ACTION REQUEST (Continuation Page)**

1. Amended Corrective Action Response for CAR YM-93-041

Remedial Action (part B amended)

B. In addition to the above listed requirements being added to the procedure, all approved study plans will be checked for YMPO QA review/approval signatures. Those not signed will be submitted to the Director, YMQAD for formal review.

NOTE: Study plans presently in the review cycle will be directed to YMQAD for QA review.

2. John A. Gray (4-7633) of YMQAD is assigned responsibility for response actions. The amended anticipated completion date for Part B above (including review of in process study plans) is:

B. YMQAD QA review of 16 study plans (previously approved) and 18 study plans in the review cycle is estimated to be completed by July 16, 1993. These study plans are:

\* Previously Approved;

8.3.1.2.2.1 ✓	8.3.1.2.2.2 ✓	8.3.1.2.3.3 ✓
8.3.1.4.2.1 ✓	8.3.1.4.2.2 ✓	8.3.1.5.1.2 ✓
8.3.1.5.1.3 ✓	8.3.1.5.2.1 ✓	8.3.1.5.2.2 ✓
8.3.1.8.1.1 ✓	8.3.1.8.5.1 ✓	8.3.1.14.2 ✓
8.3.1.15.1.8 ✓	8.3.1.17.4.2 ✓	8.3.1.17.4.3 ✓
8.3.4.2.4.3 ✓		

\* Currently in Review Cycle;

8.3.1.2.2.4 ✓	8.3.1.2.2.6 ✓	8.3.1.2.2.7 ✓
8.3.1.2.2.8 ✓	8.3.1.2.2.9 ✓	8.3.1.3.1.1 ✓
8.3.1.3.4.1/3 ✓	8.3.1.3.5.1/2 ✓	8.3.1.3.6.1 ✓
8.3.1.8.1.2 ✓	8.3.1.8.5.2 ✓	8.3.1.12.2.1 ✓
8.3.1.15.1.1 ✓	8.3.1.15.1.2 ✓	8.3.1.15.1.4 ✓
8.3.1.15.1.5 ✓	8.3.1.15.2.2 ✓	8.3.1.17.3.5 ✓

3. Amended Response Approved:

Catherine Hampton

Date: 5/13/93

VERIFICATION OF CORRECTIVE ACTION FOR CAR YM-93-041

Completion of corrective action specified in the accepted responses to this CAR was verified as follows:

1. Review of YMP Procedure AP-1.10Q, Revision 6 to assure inclusion of the five requirements listed in section 1.A of the CAR response.
2. Review of YMP Study Plan Review Checklists (Form YMP-017-R2) for the 34 Study Plans listed in part 2.B of the amended response to the CAR. All of these checklists were signed and dated by YMQAD personnel.

Based on the results of this verification, it is recommended that CAR YM-93-041 be closed.

Charles C. Warren  
Charles C. Warren  
QAR