



Department of Energy  
Washington, DC 20585

JAN 31 1991

Mr. Robert Browning  
Director, Division of High-Level  
Waste Management  
Office of Nuclear Material Safety  
and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Browning:

As requested in a letter from Mr. John J. Linehan to Mr. Dwight E. Shelor, dated January 18, 1991, concerning acceptance of the Office of Civilian Radioactive Waste Management (OCRWM) Quality Assurance (QA) Program, this is to notify you of the satisfactory resolution of those recommended actions from Audit 90-I-01 directly related to Midway Valley Trenching and Calcite-Silica Activities.

Please refer to the enclosed DOE letter; Horton to Shelor, dated January 28, 1991, for specifics regarding resolution of actions. Based on this notification, it is the position of DOE, as stated in our letter to you of December 11, 1990, that the OCRWM QA Program is acceptable to initiate activities supporting new site characterization associated with Midway Valley and Calcite-Silica.

Should you have any questions, please contact me at  
(202) 586-6046.

Sincerely,

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

Enclosure:

DOE letter from Director, Yucca Mountain Quality Assurance Division, to Acting Associate Director for Systems and Compliance, Subject: Notification of Completion of Recommended Actions for Limited Acceptance of the OCRWM QA Program Associated with Midway Valley Trenching and Calcite-Silica Activities, dated January 28, 1991

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PDR WASTE  
WM-1 PDR

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NH01

cc w/copy of enclosure:

C. Gertz, YMPO

R. Loux, State of Nevada

S. Bradhurst, Nye County, NV

D. Bechtel, Clark County, NV

M. Baughman, Lincoln County, NV



**Department of Energy**  
Yucca Mountain Site Characterization  
Project Office  
P. O. Box 98608  
Las Vegas, NV 89193-8608

WBS 1.2.9.3  
QA

**JAN 28 1991**

Dwight E. Shelor, Acting Associate Director, Systems and Compliance,  
HQ (RW-30) FORS

**NOTIFICATION OF COMPLETION OF RECOMMENDED ACTIONS FOR LIMITED ACCEPTANCE OF THE  
OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT (OCRWM) QUALITY ASSURANCE (QA)  
PROGRAM ASSOCIATED WITH MIDWAY VALLEY TRENCHING AND CALCITE-SILICA ACTIVITIES**

References: (1) Ltr, Shelor to Browning, dtd 12/11/90  
(2) Ltr, Linehan to Shelor, dtd 1/18/91

The purpose of this letter is to document the bases for your office to notify the U.S. Nuclear Regulatory Commission (NRC) that the OCRWM Audit 90-I-01, Recommended Actions, noted in the U.S. Department of Energy's (DOE) acceptance letter (reference 1), have been satisfactorily resolved for those recommended actions directly related to Midway Valley Trenching and Calcite-Silica Activities. This letter also confirms the understanding presented in the NRC acceptance letter (reference 2), which stated that DOE did not take a position concerning the overall acceptability of the OCRWM QA Program. Additionally, for clarification, the referenced DOE acceptance letter identified exceptions to the overall acceptability of the OCRWM QA Program. Of these, the exceptions that pertained to Midway Valley Trenching and Calcite-Silica Activities were either resolved through corrective action, excluded based on the severity level of a related deficiency, or evaluated and determined not to have a direct impact on these activities. It is anticipated that the remaining exceptions will be resolved, either in part or in total, as necessary to receive limited or overall acceptance of the OCRWM QA Program as required to support future activities.

A detailed summary and current status for the OCRWM Audit 90-I-01, Recommended Actions, are shown in Enclosures 1 and 2, including when and how these items have been completed and verified, as applicable to Midway Valley Trenching and Calcite-Silica Activities. The information presented in Enclosures 1 and 2 is intended to clearly identify those exceptions resolved in total or in part, as necessary, for the NRC limited acceptance of the OCRWM QA Program for Midway Valley Trenching and Calcite-Silica Activities. It is recognized that Enclosure 1 of this letter identifies Midway Valley Trenching and Calcite-Silica Activities related Corrective Action Reports (CARs) that still have an open status. In these instances, the portions related to these activities have been reviewed and found to be satisfactorily resolved for those portions directly related to Midway Valley Trenching and Calcite-Silica Activities. Furthermore, the inherent controls of the corrective action system assures resolution of all identified deficiencies and provides action to prevent recurrence, as appropriate.

Dwight E. Shelor

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Based on the information provided in the referenced DOE acceptance letter and the information presented herein, the OCRWM Office of Quality Assurance has concluded that the OCRWM QA Program is acceptable for new site characterization activities, limited to those activities associated with the Midway Valley Trenching and Calcite-Silica Activities.

If you have any questions, please contact Nancy A. Voltura at (702) 794-7972 or FTS 544-7972, or Richard E. Spence at (702) 794-7543 or FTS 544-7543 of the Yucca Mountain Quality Assurance Division staff.



Donald G. Horton, Director  
Yucca Mountain Quality Assurance Division

YMQAD:NAV-1914

Enclosures:

1. Recommended CAR Closure Status
2. Recommended Surveillance Status

cc w/encls:

J. W. Gilray, NRC, Las Vegas, NV  
C. P. Gertz, YMP, NV  
M. B. Blanchard, YMP, NV

RECOMMENDED CAR CLOSURE STATUS

(from Qualification Audit 90-I-01)

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ENCLOSURE NO. 1

CAR NUMBER	DESCRIPTION	EVALUATION/ACTION TAKEN	STATUS
HQ-91-002 (Sev. Lvl. 2)	- Deficiencies with interface control.	No impact on start of Midway Valley Trenching and Calcite-Silica Activities.	Response accepted
HQ-91-007 (Sev. Lvl. 2)	- Improper document control of WMSR and WMSO.	No impact on start of Midway Valley Trenching and Calcite-Silica Activities.	Response accepted
HQ-91-008 (Sev. Lvl. 2)	- Untimely actions for open items relative to CAR/DR/OBSs.	No impact on start of Midway Valley Trenching and Calcite-Silica Activities.	Closed
HQ-91-009 (Sev. Lvl. 1)	- Inadequate description of the records storage facility.	No impact on start of Midway Valley Trenching and Calcite-Silica Activities.	Closed
HQ-91-011 (Sev. Lvl. 1)	- Lack of HQ internal or external audits.	No impact on start of Midway Valley Trenching and Calcite-Silica Activities.	Amended response being evaluated
YM-91-005 (Sev. Lvl. 3)	- No approved matrix for OCRWM procedures and QARD/QAPD.	No impact on start of Midway Valley Trenching and Calcite-Silica Activities.	Response accepted
*YM-91-006 (Sev. Lvl. 2)	- Training system does not ensure adequate training.	Review completed by QA on 1/25/90 and confirmed to be satisfactory for start of Midway Valley Trenching and Calcite-Silica Activities.	Response accepted
*YM-91-007 (Sev. Lvl. 2)	- Flow down of technical requirements not clear.	Review completed by QA on 1/25/90 and confirmed to be satisfactory for start of Midway Valley Trenching and Calcite-Silica Activities.	Response accepted

RECOMMENDED CAR CLOSURE STATUS

(from Qualification Audit 90-I-01)

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ENCLOSURE NO. 1

CAR NUMBER	DESCRIPTION	EVALUATION/ACTION TAKEN	STATUS
*YM-91-008 (Sev. Lvl. 2)	- Inputs to YMP/CM-007 not always traceable.	Review completed by QA on 1/25/90 and confirmed to be satisfactory for start of Midway Valley Trenching and Calcite-Silica Activities.	Response accepted
*YM-91-009 (Sev. Lvl. 2)	- Inappropriate reviewer selection.  * Determined to be directly related, in part, to Midway Valley Trenching and Calcite-Silica Activities.	Review completed by QA on 1/25/90 and confirmed to be satisfactory for start of Midway Valley Trenching and Calcite-Silica Activities.	Response accepted

RECOMMENDED SURVEILLANCE STATUS

(from Qualification Audit 90-I-01)

Page 1 of 1

ENCLOSURE NO. 2

SURVEILLANCE NUMBER (DATE)	SUBJECT	SUMMARY OF RESULTS	DEFICIENCY REPORTS ISSUED
In Process	Control of the Technical Baseline (including the change control process). (HQ)	In Process	To be determined
To be scheduled	Corrective Action System. (HQ)	To be performed	To be determined
To be scheduled	Quality Records Center. (HQ)	To be performed	To be determined
To be scheduled	Program Overview (audits and surveillances). (HQ)	To be performed	To be determined
* YMP-SR-91-006 (11/29/90 and 12/3-4/90)	Yucca Mountain Site Characterization Project Office and Sandia National Laboratories (SNL) preparation and review of "Technical Requirements for the Yucca Mountain Project (Midway Valley Trenching and Calcite-Silica Activities), "YMP/CM-0007, (R-2). (Project Office)	The preparation and review of YMP/CM-0007, Revision 2, was satisfactorily performed in accordance with applicable SNL and Project Office procedures.	None
* YMP-SR-91-003 (10/20 Through 11/26/90) (See Note 1)	Training. (Project Office)  * Determined to be directly related to Midway Valley Trenching and Calcite-Silica Activities.  Note 1. Corrected Surveillance number.	This surveillance determined that individuals assigned to perform a technical, regulatory, management, or quality assurance review of YMP/CM-0007, (R-2) had the requisite training.	None