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

WBS 1.2.9.3 QA

MAR 04 1991

Carl P. Gertz, Project Manager, YMP, NV

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF CORRECTIVE ACTION REQUEST (CAR) YM-91-009 RESULTING FROM THE OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT AUDIT 90-I-01 OF THE YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT OFFICE

The YMQAD staff has verified the corrective action to CAR YM-91-009 and determined the results to be satisfactory. As a result, the CAR is considered closed.

If you have any questions, please contact either Catherine E. Hampton at 794-7973 or Stephen R. Dana at 794-7176.

Donald G. Horton, Director Yucca Mountain Quality Assurance Division

YMQAD:CEH-2418

Enclosure: CAR YM-91-009

cc w/encl: K. R. Hooks, NRC, Washington, DC S. W. Zimmerman, NWPO, Carson City, NV N. J. Brogan, SAIC, Las Vegas, NV, 517/T-08

cc w/o encl: J. W. Gilray, NRC, Las Vegas, NV

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FULL TEXT ASCII SCAN

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	RADIOACTIVE U.S. DEPAR	E OF CIVILIAN WASTE MANAGEI TMENT OF ENERC IINGTON, D.C.	MENT DATE: 11/09/90
· <u>····································</u>	COBBECTIV	E ACTION REQUE	ST
1 Controlling Document			2 Related Report No.
QAPD, Revision 3; QMP-06-	04, Revision 0		Audit No. 90-I-01
<sup>3</sup> Responsible Organization		4 Discussed With	•······
Engineering & Development	Division	Jon White and Geor	rge Dymmel
10 Response Due 11/29/90	11 Responsibility for ( E. Petrie	Corrective Action	12 Stop Work Order Y or N
<ul> <li>review package and estable stablishing criteria."</li> <li>QMP-06-04, Step 13, stat</li> <li>6 Adverse Condition:</li> <li>The following conditions Mountain Project (YMP/CP)</li> <li>1. The scope of experting cover the entire spect he did not perform a reviewer was unfamily requirements.</li> <li>2. The reviewer was not</li> </ul>	es in part, "Review are associated wit -0007): se of the person wh ctrum of characteri "flowdown" review liar with the fact t	ria. Attachment 7 pro document as instructor h review of the Technic stics requiring review because he had no syst hat YMP/CM-0007 was to nical review criteria	<pre>(s) on Page 1 of DRS (name &amp; reviews); provide reviewer(s) wi buides examples for guidance in ed in the review package." ical Requirements for the Yucca al review was not broad enough to w. For example, the reviewer st tems engineering experience. The b be based on WMSR in Attachment 7 to QMP-06-04.</pre>
These were the only	-	<u></u>	
NOTE: The reviewer	received no classro	om instruction on QMP	-06-04 and did not seek
<ul> <li>7 Recommended Action(s): Identify the remedial act the condition and the pla</li> <li>8 Initiator Da Marc Meyer 10/26/</li> </ul>	te: 9 Severity Leve	ent recurrence.	encies noted in Block 6. Identi : Date: Blayforf 11/1/10
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15 Verification of Corrective Acti			
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	OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT U.S. DEPARTMENT OF ENERGY WASHINGTON, D.C.	DATE: <u>11/09/90</u> SHEET: <u>2</u> OF
	CORRECTIVE ACTION REQUEST (continuation sheet)	•
6 Adverse Condition (contin clarification		
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CAR NO	. <u>YM</u>	-91-009	
DATE:	11/	29/90	
SHEET:	3	OF 5	

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	CORREC	TIVE ACTION	RESPONSE				ı
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	ROOT C	CAUSE:					
		lependent Roo s for this do	ot Cause Analy eficiency:	sis disclosed	d the follo	w root	
	1.	clearly def: Project Off: performing (	purpose and s ined by proced ice is the pre an acceptance der a Particip	ures for spec parer of the review on a c	cial cases document ( document th	where the versus	
	2.	Requirements sufficient	uments address s Document, in information an wdown, and tra	cluding QMP-( d criteria fo	06-04, lack or reviewer	ed	
	3.		dback communic nd seek clarif				
	REME	DIAL ACTION:	8				
v	assu	rance review	latory, technic vs conducted in on YMP/CM-0007	n accordance			
	incl area spec faul syst	uded reviewe s covered (a ialties) we ting hazards	n number 1: There from many of see attached for te: engineering s, sample manamance assessment	disciplines. or a list of ng and constr gement, envir	The techn reviewers ruction, se ronmental,	ical and their ismic,	

ENCLOSURE 3

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REV. 10/90

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

CAR NO	YM-91-009
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# CORRECTIVE ACTION REQUEST (continuation sheet)

The review criteria are attached.

Specific concern number 2: General review criteria was given to all reviewers (see attached). In addition, specific technical review criteria was provided to the technical reviewers (see attached). All reviewers were trained in the use of QMP-06-04 prior to performing the review.

Please note that on page 1 of the Review Instructions it states that a hold on the completion of verification of H&N design products until the new revision of the requirements document was completed. That hold was never assigned. The document was released for use on November 28, 1990 and the verification of the design products is not scheduled for completion until the first week of December. Therefore, the hold is no longer necessary.

#### CORRECTIVE ACTION TO PREVENT RECURRENCE:

As stated previously, CM-0007 is a unique, one-of-a-kind document. Even though there are no plans to prepare additional, similar documents, we have taken or are taking the following actions to ensure the quality of other types of documents that may be prepared by the Project Office in the future. The actions are numbered to coincide with the root causes that they address.

- 2.7 1. QMP-06-04 will be revised to be more specific regarding the purpose and scope of Project Office reviews in those special cases where the Project Office acts as the preparer of a document as opposed to reviews of documents prepared by Participants.
  - 2. BTP-EDD-002 has been issued to provide more specific review criteria for document reviewers in the EDD. In addition, when the uniqueness of a document requires it, we will exercise additional care in identifying more specific supplemental guidance to the assigned reviewers.

CAR NO. YM-91-009 OFFICE OF CIVILI DATE: 11/29/90 RADIOACTIVE WASTE MANAGEMENT SHEET 5 OF 5 U.S. DEPARTMENT OF ENERGY WASHINGTON. D.C. CORRECTIVE ACTION REQUEST (continuation sheet) 3. The Director, EDD will hold discussions with all EDD personnel to ensure that they understand that management wants, and it is their obligation to provide, feedback and seek clarification from their managers anytime they have questions regarding the scope, schedule or methods to be used in accomplishing assigned tasks. The revisions to QMP-06-04 will be completed by 1/30/91 (Petrie/Alderson). The discussions with EDD personnel will be completed by 12/14/90 (Petrie). 11/30/90 DATE RESPONSIBLE MANAGER \_\_\_<u>12/18/90</u> REV. 10/90

### VERIFICATION OF CORRECTIVE ACTION CAR YM-91-009

- 1. Remedial Action (Reference pg 3 & 4 of CAR)
  - First Paragraph Verified during surveillance YM-SR-91-006 (reference Surveillance Report (SR), items 1-12).
  - Second Paragraph Verified during surveillance YM-SR-91-006 (reference SR, item 2).
  - Third Paragraph (pg 4) Verified during surveillance YM-SR-91-006 (reference SR, item 3) and surveillance YM-SR-91-003 (reference SR, Section 4.0).
- 2. Corrective Action To Preclude Recurrence (Reference pg 5 of CAR)
  - o Item No. 3 Reference the following items attached as objective evidence that actions are complete:
    - (1) Letter EDD:RDE-1349,
    - (2) Letter EDD:RDE-1268,
    - (3) Letter EDD: EHP-1628,
    - (4) Meeting Attendance Lists (5 pages),
    - (5) Meeting Handout.
- 3. Added Information to Response (Reference Letter EDD:RDE-1168)
  - The following attached item provides objective evidence that actions are complete:
    - (1) Yucca Mountain Project Lesson Plan Revision.

Jana 1/30/91

### Page 1 of 1 VERIFICATION OF CORRECTIVE ACTION CAR YM-91-009

## 1. Corrective Action To Prevent Recurrence (Reference page 4 of CAR)

Item No. 1 - Reviewed QMP-06-04, Revision 2. Verified that this item has been resolved by the following paragraphs found in the procedure:

a. Step 5 (Note)
b. Step 6
c. Step 10 (Note)
d. Step 11, g.
e. Step 12
f. Step 13
g. Step 14
h. Step 14 (first Note)

Item No. 2 - Reviewed BTP-EDD-002, Revision 0, and verified that the procedure contains specific review criteria for document reviews performed by the Engineering and Development Division.

~ =/20/91