

Department of Energy

Office of Civilian Radioactive Waste Management Yucca Mountain Site Characterization Office P.O. Box 98608 Las Vegas, NV 89193-8608

DEC 28 1994

L. Dale Foust Technical Project Officer for Yucca Mountain Site Characterization Project TRW Environmental Safety Systems, Inc. Bank of America Center, Suite P-110 101 Convention Center Drive Las Vegas, NV 89109

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF CORRECTIVE ACTION REQUEST (CAR) YM-94-056 RESULTING FROM U.S. DEPARTMENT OF ENERGY/HEADQUARTERS QUALITY ASSURANCE DIVISION'S AUDIT HQ-94-02 OF THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM MANAGEMENT AND OPERATING CONTRACTOR (SCPB: N/A)

The Yucca Mountain Quality Assurance Division staff has verified the corrective action to CAR YM-94-056 and determined the results to be satisfactory. As a result, the CAR is considered closed.

If you have any questions, please contact either Robert B. Constable at 794-7945 or James T. Schmit at 794-7709.

Richard E. Spence, Director

Yucca Mountain Quality Assurance Division

YMOAD: RBC-1521

Enclosure: CAR YM-94-056

cc w/encl:

T. A. Wood, HQ (RW-14) FORS

NRC, Washington, DC

S. W. Zimmerman, NWPO, Carson City, NV R. L. Robertson, M&O/TRW, Vienna, VA Richard Jiu, M&O/Duke, Las Vegas, NV

R. P. Ruth, M&O/Duke, Las Vegas, NV

D. G. Horton, OQA (RW-3) NV

R. M. Nelson, Jr., YMSCO, NV

cc w/o encl:

W. L. Belke, NRC, Las Vegas, NV

D. G. Sult, YMQAD/QATSS, Las Vegas, NV

YMP-5

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CAR NO	YM-94-056	
FAGE: 1	OF	1
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CORRECTIV	E ACTION REQUEST		
¹ Controlling Document M&O QAP-5-2, Rev 0, P01, Preparation of M&O Implementing Line Procedures	·	² Related Report No. HQ-94-02	
Responsible Organization CRWMS M&O	⁴ Discussed With R. Ruth, C. I		
⁵ Requirement:			
Section 2. SCOPE, states that the procedure is applicab subject to QARD requirements.	le to the preparation and m	aintenance of ILPs used to perform work	
⁶ Adverse Condition: Several deficiencies associated with the preparation of prepared in accordance with QAP-5-2. Examples included		edures indicates that the ILPs were not	
History of Changes forms were not completed for NLP	-3-10, R1, NLP-3-16, R0,	P03, and NLP-17-5, R1 (examples).	
Change Histories reviewed were not listed for MGP-3-l	B, R0, P03, and NLP-17-4	, R0, P02 (examples).	
ILP Review Records for NLP-3-17, R1 were missing in	formation.	•	
Nonmandatory comments were submitted with IRRs for NLP-3-10, R1, NLP-3-20, R0, and NLP-17-5, R0.			
NLP-17-5, R1 has responses to comments made by so	omeone other than the pro	cedure author	
Several ILP Record Packages did not contain the requ			
adverse to quality exist? Yes x No Yes	stop work condition exist? No_x ; If Yes - Attach co Yes, Circle One: A B	py of SWO 20 working days	
[™] Required Actions: ☐ Remedial ☐ Extent of Def	ficiency Preclude Re	currence Z Root Cause Determination	
¹² Recommended Actions:			
Evaluate the adequacy of implementation of the QAP-	5-2 preparation process.		
7 Initiator CC Warm In Dennis Threatt Date 6-24	-94 QADD AC	ed by: Oliver Date 7/12/94	
15 Response Accepted	16 Response Accept	Date 8: X3.94	
OAR JUNES - TO Date 0/24/9	QADD (//)/C		
QAR Date	QADD	Date	
19 Corrective Actions Verified	²⁰ Closure Approved	f by:	
Date 12/21/9	4 QADD	P/ACC Date /2/2/94	

8. CAR NO.	YM-94-056
PAGE 2	OF 1
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CORRECTIVE ACTION REQUEST (CONTINUATION PAGE)

1. Corrective Action Response

- A. Remedial Action-All records packages for Implementing Line Procedures (ILP) which were generated in accordance with QAP-5-2, Revision 0 will be reviewed to verify that they contain the required records and that the records are properly completed. Any discrepancies identified will be corrected, if possible, and for those which can not be corrected an explanation describing the circumstances will be included as a supplement to the records package.
- B. Extent of Deficiency-Enough records packages have been reviewed during the audit to determine that the types of problems identified may be found(to some degree) in most of the records packages for ILPs.
- C. Root Cause Determination-Evaluation of the implemention of QAP-5-2 ILP preparation process has determined Human factors, personnel not paying attention to details and following approved procedures has been determined as the root cause. Record packages were developed, authenticated, and submitted to the Local Records Center with incomplete information, using out-of-date forms, missing information, and procedure process steps not being followed in detail. Record Packages for procedures in Vienna and Las Vegas were reviewed during the audit and all record packages in accordance with QAP-5-2, Revision 0 will be reviewed as part of the Remedial Action. Record Packages for Charlotte were not reviewed during the audit but will be included as part of the Remedial Action. Discrepancies were created in the record packages by the record sources who in this case are the procedure authors. Record Sources not paying attention to details, not following procedure steps and process requirements, and not reviewing procedures before completing record packages to ensure all requirements for development of the record packages were completed are the reasons for the discrepancies in the record packages.
- D. Corrective Action to Preclude Recurrence-
- a) Supervisors/Responsible Managers must ensure that no work is started until the necessary training is completed and recorded. Individuals who are assigned to be authors by Supervisors/Responsible Managers are required to meet M&O training requirements per the QA program. This includes each time there is a revision to QAP-5-2 the authors are required to meet the training requirements before preforming work to QAP-5-2. This is done to maintain authors qualifications. M&O procedure QAP-2-1, Section 5.3.2 requires training on the latest procedure revision prior to performing work.
- b) QAP-5-2, Revision 1 has been approved and was effective 8/1/94. All ILP authors (who are the records sources) will be identified to attend classroom training on QAP-5-2, Revision 1. This training will address the changes in QAP-5-2, what records are required for record packages, and the need to follow details and requirements in developing record packages. This will be complete by 10/1/94 and documentated per QAP-2-1. Any personnel identified as an author on the ILP cover sheet (ILPs already approved and issued) but no longer has that responsibility will not be included in the training.
- c) All ILP authors will be required to read QAP-17-1 RECORD SOURCE RESPONSIBILITIES FOR QA RECORDS and document it on the reading/self-study form per QAP-2-1. This will be completed by 10/1/94. The M&O QA program requires newly hired personnel who will be performing work under the M&O QA program to attend M&O training indoctrination which includes training for QAP-17-1. M&O procedure QAP-2-1, Section 5.2.3 requires indoctrination classroom training for QAP-17-1.
- 2. Action for 1A above (review of the records packages) will be completed by Charles F. Bartley (Las Vegas) and Michael J. Donovan (Vienna & Charlotte) with a completion date of 11/01/94. Corrections of discrepancies (when possible) will be performed by records sources and verified by Quality Assurance, to be completed by 11/01/94.

Action 1D.b and 1D.c above will be completed by Charles F. Bartley and M&O training department with a completion date of 10/01/94.

3. Responsible Manager:	Blut Churchia	Date:	8-10-94	
8/10/94	LV. 04. BRJ. 08-94-320			
Exhibit OAP-16 1 2				

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٧٤	CHETATION OF CONTRETTIVE ACTION WAS COMPLETED
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 - NLP 17-4, 700, POZ, 76W 0
 - · NLP 17-5 TENI
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 - · NLP 17-5 REV 0
 - . NLP 3-10 TZEV.I

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	CORRECTIVE ACTION REQUEST (Continuation Page)
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RECORDS PACKAGES REVIEWED FOR CAR YM-94-056

Page 1 of 2

CLP-3-1 Rev 1

CLP-3-1 Rev 0

PCN#CLP-3-1,R00,P01 Rev 0

CLP-3-2 Rev 0

CLP-3-2 Rev 1

NLP-2-0 Rev 0

NLP-2-2 Rev 0

PCN#NLP-2-2,R00,P01 Rev 0

NLP-2-3 Rev 0

NLP-3-8 Rev 1

NLP-3-9 Rev 1

PCN#NLP-3-10,R00,P01 Rev 0

PCN#NLP-3-10,R00,P02 Rev 0

PCN#NLP-3-10,R00,P03 Rev 0

V. NLP-3-10 Rev 1 (HISTORY OF CHANGET NOT COMPLETE) (NON MAURATORY COMMUNIT PCN#NLP-3-10,R01,P01 Rev 0 SURMITHS WITER.)

NLP-3-13 Rev 1

NLP-3-13 Rev 0

PCN#NLP-3-13,R00,P01 Rev 0

PCN#NLP-3-13,R00,P02 Rev 0

PCN#NLP-3-13,R00,P03 Rev 0

NLP-3-14 Rev 0

PCN#NLP-3-14,R00,P01 Rev 0

PCN#NLP-3-14,R00,P02 Rev 0 & Supplement

PCN#NLP-3-14,R00,P03 Rev 0

NLP-3-15 Rev 0

NLP-3-15 Rev 1

PCN#NLP-3-15,R01,P01 Rev 0

PCN#NLP-3-15,R01,P02 Rev 0

PCN#NLP-3-15,R01,P03 Rev 0 & Supplement

NLP-3-16 Rev 0

PCN#NLP-3-16,R00,P01 Rev 0

PCN#NLP-3-16,R00,P02 Rev 0 (HISTORN OF CHANCES NOT COMPLETE)

PCN#NLP-3-16,R00,P03 Rev 0 & Supplement

×NLP-3-17 Rev 1 (PHUIEW TRECORDS MISSING INFOUMATION)

NLP-3-17 Rev 0

NLP-3-18 Rev 1

PCN#NLP-3-18,R01,P01 Rev 0

PCN#NLP-3-18,R01,P02 Rev 1

PCN#NLP-3-18,R01,P02 Rev 0

PCN#NLP-3-18,R01,P03 Rev 0

NLP-3-18 Rev 0

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RECORDS PACKAGES REVIEWED FOR CAR YM-94-056

Page 2 of 2

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PCN#NLP-3-18,R00,P01 Rev 0
   NLP-3-19 Rev 0
 NLP-3-20 Rev 0 & Supplement (NON MALDONTORY COMMULIT SUBMITTED WITERS)
   PCN#NLP-3-20,R00,P01 Rev 0
   NLP-6-1 Rev 2
   PCN#NLP-6-1,R02,P01 Rev 0
   NLP-10-1 Rev 1
   NLP-17-1 Rev 2
   PCN#NLP-17-1,R02,P01 Rev 0
   NLP-17-4 Rev 1
   NLP-17-4 Rev 0
   PCN#NLP-17-4,R00,P01 Rev 1
   PCN#NLP-17-4,R00,P01 Rev 0
 * PCN#NLP-17-4,R00,P02 Rev 0 (CHANCE HISTOCIET POLIHUH) WHITE NOT LISTED)
   NLP-17-5 Rev 2
 . NLP-17-5 Rev 1 (H ATORY OF CHANCET NOT COMPLETE)
 ~ NLP-17-5 Rev O (NON MANDOSTORY COMMENTS SURMITTED W/ IRRI)
   NLP-19-1 Rev 0
 * PCN#MGP-3-8,R00,P03 Rev O(CHANGE HISTORIES RUSHUUM WHILL NOT LIGHT)
   PCN#MGP-3-8,R00,P02 Rev 0
   PCN#MGP-3-8,R00,P01 Rev 0
   PCN#MGP-3-9,R00,P01 Rev 0
   PCN#MGP-7-1,R00,P02 Rev 0
   PCN#MGP-7-1,R00,P01 Rev 1
   PCN#MGP-7-1,R00,P01 Rev 0
   PCN#NSP-6-1,R01,P04 Rev 0
   PCN#NSP-6-1,R01,P03 Rev 0
   PCN#NSP-6-2,R01,P02 Rev 0
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   PCN#NSP-17-1,R01,P02 Rev 0
   PCN#QLP-2-1,R02,P02 Rev 0
   PCN#QLP-2-1,R02,P01 Rev 0
   PCN#QLP-10-2,R00,P01 Rev 0
   PCN#QLP-10-3,R00,P01 Rev 0
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