

Department of Energy

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

SFP 1 3 1995

L. D. 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

EVALUATION OF RESPONSE TO PERFORMANCE REPORT (PR) YM-96-P-029 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD) SURVEILLANCE YMP-SR-96-016 OF LOS ALAMOS NATIONAL LABORATORY

The YMQAD staff has evaluated the response to Performance Report YM-96-P-029. The response has been determined to be unsatisfactory due to reasons as stated in the enclosed PR.

An amended response is required to be submitted to this office within ten working days of the date of this letter. Send the original of your response to Deborah G. Sult, YMQAD/QATSS, P.O. Box 98608, Mail Stop 455, Las Vegas, Nevada 89193-8608. If an extension to the due date is necessary, it must be requested in writing, with appropriate justification, prior to that date.

If you have any questions, please contact either Robert B. Constable at (702) 794-5580 or John S. Martin at (702) 794-5591.

Richard E. Spence, Director

Yucca Mountain Quality Assurance Division

YMQAD:RBC-2604

Enclosure:

PR YM-96-P-029

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cc w/encl:

T. A. Wood, DOE/HQ (RW-14) FORS
J. G. Spraul, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV N. Z. Elkins, M&O/LANL, Las Vegas, NV J. B. Tillman, LAAO, Los Alamos, NM
J. A. Canepa, M&O/LANL, Los Alamos, NM
M. J. Clevenger, M&O/LANL, Los Alamos, NM R. L. Strickler, M&O, Vienna, VA B. R. Justice, M&O, Las Vegas, NV R. P. Ruth, M&O, Las Vegas, NV

Records Processing Center

cc w/o encl: W. L. Belke, NRC, Las Vegas, NV
J. S. Martin, YMQAD/QATSS, Las Vegas, NV
D. G. Sult, YMQAD/QATSS, Las Vegas, NV D. G. Horton, DOE/OQA, Las Vegas, NV

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

⁸ ⊠Performance Report Deficiency Report

NO. YM-96-P-029

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	PERFORMANCE/DE	FICIENCY REPORT					
	ontrolling Document:		2 Related Report No.				
	RD, DOE/RW-0333P, Revision 5		YMP-SR-9	6-016			
3 Responsible Organization: Los Alamos National Laboratory		4 Discussed With: A. Burningham / S. Jones					
5 Re	equirement/Measurement Criteria:	7. Darringham 6. Oorloo					
1)	1) QARD, Section 5.0, Paragraph 5.2.2, states: "Implementing documents shall include the following information as appropriate to the work to be performed:"						
	Paragraph 5.2.2B, states: "Technical and regulatory requirements."						
	Supplement II, Paragraph II.2.1C, states: "Controls shall include specifics on orientation relative to the location that was sampled, as appropriate."						
2)	QARD, Section 6.0, Paragraph 6.2.6A, states in part for release."	t: "Changes to documents sha	all be review	edprior to approval			
6 De	escription of Condition:						
1)	 Contrary to the above requirement, LANL procedure LANL-EES-13-DP-612, Revision 0, does not clearly describe a technical methodology for providing positive control relative to the orientation of drill core collected within the Exploratory Studies Facility (ESF). 						
2)	2) LANL procedure LANL-EES-13-DP-612, Revision 0, Paragraph 6.5.2.3, NOTE, states in part that drill core: "Measurements must be taken to the nearest 1/100th of a foot" ESF Drilling Shift Report Form utilized by LANL indicates that: "All measurements shall be taken to the nearest 1/10th of an inch."						
ESF Drilling Shift Report Forms for drill holes ESF-TMA-ERT-1 and ESF-TMS-ERT-1 were revised, without going through the appropriate review and approval process, to read 1-100th of a foot instead of 1-10th of an inch, by the Field Engineer. This was accomplished by one lining, initialing, and dating the change.							
7 Ini	tiator //////	9 QA Review	1	 			
John S. Martin //// Date 7/2/96		QAR AM	7 cd/	Date 7/1/86			
	Response Due Days: Working Days From Issuance	11 QA Issue/ce Approvál QAR (PR)/AOQAM (DR)	Will	Date 7/9/96			
12 R	emedial Actions:	7	φ,	7-7-			
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13 Remedial Actions Response By: A SEE ATTACHED RESPONSE Bate		14 Remedial Action Due Date SEE ATTALHED	PESPOR	Date			
15 R	emedial Action Response Acceptance	16 PR Verification /Closure					
QA	R Date	QAR		Date			

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14 Remedial Actions: The description of conditions idem interpretations of QARD requirements TOO that a QARD violation has coour	. Due to the reasons (
 Sections 6.5.2.3 through 6.5.2.8 identifying the orientation of core. This by the PI organizations and the Depart collected core using the DP meeting be 	s process was consistent timent of Energy at th	ent with the technical core was or	requirements identi oliected. Technical s	tied	
Continued					
15 Extent of Condition: (Not required for	PR)			•	
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16 Root Cause Determination: (Not requi	red for PR) R	equired: Yes	¬ No	·	
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17 Action to Preclude Recutrence: (Not re	quired for PR) Re	autred: Type (⊒No		
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18 Corrective Action Completion Due Date	19 Response by:	11.			
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20 Response Accepted	Carrier Carr	21 Response Acces		FIRME 4-7037	
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2) Section 7.0 of DP-612 states: "The following record resulting from the implementation of this DP may be documented in any format provided they meet the legibility and indexing requirements of QP-17.6 and are signed and dated." The ESF Drilling Shift Report Form identified in the Performance Report was not part of DP-612 and therefor did not require review in accordance with QARD section 6.2.6A. The page did meet the requirements identified in the DP and corrections were made in accordance with both Department of Energy and Los Alamos records procedures.

REMEDIAL ACTION

Based on additional requirements provided by the Department of Energy after the completion of surveillance YMP-SR-96-016, the following change in process will/have been made. These changes also address the perceived QARD violations identified in this Performance Report.

1) DP-612 will be revised to eliminate all core collection activities, referring to NWI-DS-0010.

 NWI-DS-001Q has been revised to include non-required assigned core collection and provide for ESF TCO personnel to use that procedure.

Rev. 07/03/95

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EVALUATION OF RESPONSE TO PR YM-96-P-029

The response to PR YM-96-P-029 has been determined to be unsatisfactory due to reasons as follows:

- Subject response states in part that "it is not apparent to the ESF TCO that a QARD violation has occurred." Further, it was stated that "DP-612 clearly describes the process for identifying the orientation of core." As noted in several meetings with the LANL TCO and DOE Project Management, DP-612 did not identify positive controls for orientation of drill core as required by the QARD. The failure of the LANL TCO to recognize this fact and the failure to coordinate the generation of DP-612 with other organizations, familiar with commitments made to the NRC relative to the acquisition of core, resulted in a procedure that was determined to be inadequate.
- Subject response identifies that the ESF Drilling Shift Report form utilized for recording pertinent data from core acquisition was not a part of DP-612. The QARD, Section 5.0, requires that methods for demonstrating that the work was performed as required (such as provisions for recording inspection and test results, checkoff lists, sign off blocks) be included in implementing documents. Procedure DP-612 failed to include the ESF Drilling Shift Report forms utilized to record data as a controlled implementing document, as required.

Based on the above, the overall evaluation the LANL TCO response was found to be unsatisfactory. However, the final resolution to the cited deficiencies, the revision of DP-612 to eliminate all core collection activities, was found to be acceptable.

Your response fails to identify a completion date of when DP-612 will be revised. As such, it is requested that a completion date be provided as to when DP-612 will be revised to eliminate all core collection activities.

John S/Martin, QAR

8/28/96