

Department of Energy

Washington, DC 20585

AUG 1 3 1997

QA: L

 L. D. Foust, Technical Project Officer for Yucca Mountain Site Characterization Project
 TRW Environmental Safety Systems, Inc. 1180 Town Center Drive, M/S 423
 Las Vegas, NV 89134

ISSUANCE OF DEFICIENCY REPORTS (DR) YM-97-D-074 THROUGH YM-97-D-077 AND PERFORMANCE REPORT (PR) YM-97-P-016 RESULTING FROM OFFICE OF QUALITY ASSURANCE (OQA) AUDIT LANL-ARC-97-19 OF LOS ALAMOS NATIONAL LABORATORY

Enclosed are DRs YM-97-D-074 through YM-97-D-077 and PR YM-97-P-016 generated as a result of OQA Audit LANL-ARC-97-19.

Please provide responses to these deficiencies that meet the applicable requirements of Administrative Procedure 16.1Q, Performance/Deficiency Reporting. Send the originals of your responses to Deborah Sult, OQA/QATSS, P.O. Box 30307, Mail Stop 455, North Las Vegas, Nevada 89036-0307. Responses to the DRs are due 20 working days after the date of this letter. Extensions to due dates must be requested in writing, with appropriate justification, prior to the due dates.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or Kristi A. Hodges at (702) 734-0871.

OQA:JB-2060

Donald G. Horton, Director Office of Quality Assurance

Enclosures:

1. DR YM-97-D-074

2. DR YM-97-D-075

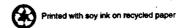
3. DR YM-97-D-076

4. DR YM-97-D-077

5. PR YM-97-P-016

9708180231 970813 PDR WASTE WM-11 PDR

180031





recip. NMSS/PAHL

cc w/encls:

- T. A. Wood, DOE/HQ (RW-55) FORS
- J. O. Thoma, NRC, Washington, DC
- S. W. Zimmerman, NWPO, Carson City, NV
- B. R. Justice, M&O, Las Vegas, NV
- R. A. Morgan, M&O, Las Vegas, NV

Thomas Hirons, M&O/LANL, Los Alamos, NM

- M. J. Clevenger, M&O/LANL, Los Alamos, NM
- L. E. Souza, OQA/LANL, Los Alamos, NM

cc w/o encls:

- W. L. Belke, NRC, Las Vegas, NV
- K. A.Hodges, OQA/QATSS, Las Vegas, NV
- D. G. Sult, OQA/QATSS, Las Vegas, NV
- R. W. Clark, DOE/OQA, Las Vegas, NV

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NO. YM	1-97-E)-074	
PAGE	1	OF 3	

	U.S. DEPART	VASTE MANAGEMENT IMENT OF ENERGY INGTON, D.C.		NO. YM-97-D-074 PAGE 1 OF 3 QA: L
	PERFORMANCE	DEFICIENCY REPORT	<u> </u>	
1 Controlling Document: RW/DOE 0333P, R-7 QARD; LANL-YN	MP-QP 4.6 R-5		2 Related Report LANL-ARC-	
3 Responsible Organization: LANL		f Discussed With: Mike Clevenger, Karen W	est .	
5 Requirement/Measurement Criteria: QARD R-7 4.2.1 requires procurement d QARD R-7 4.2.2 requires both an indepe QARD R-7 12.7 identifies required docu LANL-YMP-QP 4.6 R-5, paragraph 1.0 of for LANL's Yucca Mountain Project. QP specifically for YMP work.	endent technical reviet mentation for calibrati depicts this procedure	w and QA review of procu ion of M&TE. as the applicable documen	rement docun	nents.
6 Description of Condition: It was found during a review of procuren accomplished in accordance with QARD 1) PR8832U failed to require that the implication SIMCO Electronics. A review of the levels were not indicated as required. Accordance used; 2) It was found that consucalibration standards as "consumable" and procurements through a non-YMP/OCRV QP 4.6; 3) A procurement to NIST for exprocessed in accordance with QP-4.6 but review per QP 4.6 or QARD requirement quality requirements to Primary Standard	and LANL YMP proper plementing procedure the calibration certifical dittonally, one certific mable standards used in mon-consumable standards with the procurement procedular and the calibrations of Mass With the calibration of Mass With the calibration of the	gram requirements: revision level (for a calibrates furnished by SIMCO ate did not identify by nare for calibrations are not protandards). Consumable stress that does not require the eight Standards (re:file nu procedure which did not redocumented methodology	ation) be incluwith this PR dine or number of the produced per QP and ards are produced armber 0128) or equire the independent of the produced for produced in place for produced are seen as a communication.	ided in required documents is closed that the revision the specific calibration 4.6. (NOTE: QP 12.3 defines ocured as "Just in Time" at QA review described in a PO#B9245tel68H was not expendent technical and QA assing on technical and
10 Recommended Actions: (Not required for PR) Investigate the extent of the deficiencies recurrence. Identify cause(s) (not root cadeficiencies.	and identify any addit			•
11 QA Review: QAR 13 Director, OQA Issuance Approval: (QAR for PR) Printed Name Do NA D G. Horo.	7/28/17 Date Signat	whomas I,	24	m issuance Date B/B/97
22 Corrective Actions Verified QAR xhibit AP-16.1Q.1	Date	23 Closure Approved by: (N		Date Co. 1 of 3 Rev. 06/02/97
nemura 731 - 1 Mr. 1 Me 1		Enclosus	e 1	Pg 10f.3 Rev. 06/02/97

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

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PAGE 2 OF 3
QA: L

PR/DR CONTINUATION PAGE

Block 6 Description of Condition cont'd:

required LANL to address a methodolgy for passing on requirements to PSL since no real procurement document between labs exists. This deficiency is addressed here to allow closure of DR YM-96-D-073 since it is the only remining issue that was addressed in DR YM-96-D-073 that corrective action is not completed.

Exhibit AP-16.10.3

PR/DR N	NO. YM-97-D-074						
PAGE	3	OF 3					

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14 Remedial Actions:	III.AITUE U		0			
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15 Extent of Condition: (Not required for PR)				· · · · · · · · · · · · · · · · · · ·		
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16 Root Cause Determination: (Not required for PR)		Required:	Yes	No.	······································	
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17 Action to Preclude Recurrence: (Not required for PR)		Required:	✓ Yes	☐ No		
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18 Corrective Action Completion Due Date:	19 Response by:		 			
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20 Response Accepted	<u> </u>	21 Respons	Date se Accepted (N/A	for PR)	Phone	· · · · · · · · · · · · · · · · · · ·
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NO. YM-97-D-075

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•	WASHING	TON, D.C.		PAGE 1 OF 2
				QA: L
P	ERFORMANCE/DI	EFICIENCY REPO	ORT	
1 Controlling Document: AP-17.1Q, "Record Source Responsibiliti	es for Inclusionary Reco	rds," Rev. 0	2 Related Rep LANL-ARC-	
3 Responsible Organization: LANL		iscussed With: Clevenger, S. Martin	ez	
5 Requirement/Measurement Criteria: AP-17.1Q, "Record Source Responsibiliti references by correspondence for study pl RPC that contain cited references Sen a record"	ans, progress reports, or	any published technic	cal or scientific	reports submitted to the
·	,		. V	
6 Description of Condition:				
LANL has not submitted a list of cited ref are cited references in technical publication		· ·	(TIC) since Jan	uary of 1996, although there
·	·	<u> </u>		
7 Initiator Hodges Kristi A. Hodges	Date 07/29/97	9 Is condition an iso		ce? nown; Must be Yes if PR
10 Recommended Actions: (Not require	d for PR)			
 Compile and submit a list of cited ref Establish a time interval; e.g., quarte 	i i			
11 QA Review: Com		12 Response Due D	ate	· · · · · · · · · · · · · · · · · · ·
QAR Kristi A. Hodges	Date 07/29/97	20 working		issuance
13 Director, OQA Issuance Approval: (0		15	10	
Printed Name DONAD 6H DO	Signatu		HA	Date 8/8/97
22 Corrective Actions Verified	,	23 Closure Approve	d by: (N/A for	PR)
QAR	Date	DOQA		Date

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

PR/DR NO. YM-97-D-075 PAGE 2 OF 2 QA: L

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	PERFORMANCE/DEFIC	IENCY RE	PORT RE	SPONSE			
14 Remedial Actions:							
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15 Extent of Condition: (Not a	required for PR)	<u> </u>			·· ···		·············
15 Extent of Condition. (Not i	equired for Phy		•				
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16 Root Cause Determination:	(Not required for PR)	Required:	Yes	√ No			
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17 Action to Preclude Recurrer	near (Alex required for BD)	Danie de	[7] _{Vee}	□ No			
17 Action to Frecioue necure	ice. Mot required for the	Required:	☑ Yes	□ 1/0		•	
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18 Corrective Action Completi	on Due Date: 19 Response	by:					
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20 Response Accepted		21 Respon		ed (N/A for PR)			•
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OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT U.S. DEPARTMENT OF ENERGY WASHINGTON, D.C.

Performance Report Deficiency Report
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NO. YM-97-D-076

PAGE 1 OF

	VVASIIIV	GION, D.C.	PAGE 1 OF 2			
			QA: L			
Р	ERFORMANCE/I	DEFICIENCY REPORT				
1 Controlling Document: DOE/RW-0333P, "OCRWM Quality Assu	ırance Requirements a	nd Description," Rev. 7 LANL-ARC				
3 Responsible Organization: LANL	■ .	Discussed With: 1. Clevenger, S. Martinez				
5 Requirement/Measurement Criteria: QARD, Rev. 7, Section 17.0, Para. 17.2.2 legible, accurate, complete appropriate to		-				
AP-17.1Q, Rev. 0, Para 5.2.1 C & D, state accordance with governing procedures, on the affected pages Ensure that records Initial or sign and date the changes or	r provide a statement is are complete and con	ndicating that blank lines and spaces	are intentional and identify			
6 Description of Condition: Measuring and Test Equipment (M&TE) May of 1997 contained multiple record vi that were not part of the submitted record identifier to determine which notebook), a packages reviewed were found to be defic as part of the RPC records backlog. Indicated record identifiers of subject record SN2410090, PN608866, PN295584, PN8	iolations, including: u ls packages, incomplet and failure to initial ar- tient. These records ha ords: SN011964, PN4	naccounted for blank lines and spaces information (i.e., reference to a sciend/or date corrections. Thirteen of six ad been received but not processed by 41939, PN487281, PN486921, PN406	s, references to attachments ntific notebook with no steen M&TE Report records the RPC, and were considered			
7 Initiator Control (ge		9 is condition an isolated occurre	nce?			
Kristi A. Hodges	Date 07/29/97	Yes V No Ur	known; Must be Yes if PR			
10 Recommended Actions: (Not required for PR) Describe remedial actions required to correct the specific conditions noted. Describe investigative actions performed to determine the extent of the condition and the result of the determination. Describe actions to preclude recurrence.						
11 QA Review Worlder QAR Kristi A. Hodges	Date 07/29/97	12 Response Due Date 20 working days from	issuance			
13 Director, OQA Issuance Approval: (O		1800	Date 8/9/97			
Printed Name Dona G. Ho 22 Corrective Actions Verified	Signa Signa	23 Closure Approved by: (N/A fo	0/0/11			
QAR	Date	DOQA	Date			
Exhibit AP-16.1Q.1		Enclosure 3	Rev. 06/02/97			

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

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PERFORMANCE/DEFIG	CIENCY REPORT RESPONSE	
14 Remedial Actions:		
15 Extent of Condition: (Not required for PR)		
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16 Root Cause Determination: (Not required for PR)	Required: Yes V No	
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17 Action to Preclude Recurrence: (Not required for PR)	Required: Ves No	
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18 Corrective Action Completion Due Date: 19 Response	by:	
20 Response Accepted	Date Phone 21 Response Accepted (N/A for PR)	
QAR Date	DOQA Date	•

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NO. YMP-97-D-077	_
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	WASHI	INGTON, D.C.		PAGE1 OF2	
				QA: L	
	PERFORMANCE	DEFICIENCY REPORT			
1 Controlling Document:			2 Related Report No).	
DOE/RW-0333P, Rev. 7, Quality Assuran	nce Program Descript	ion	LANL-ARC-9	1	
		4 B' Learn	<u>]</u>		
3 Responsible Organization: Los Alamos National Laboratory		4 Discussed With: Mike Clevinger, Cloeves Martinez Cleveryer 25 M			
5 Requirement/Measurement Criteria:		6/12/4			
Section 5.2.2 states, "Implementing docuperformed:H. Identification of the lifeting document"					
•	ocuments that will be	•			
2. Identify the orga	anization responsible	for submitting the QA rec	cords to the recor	rds management system."	
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6 Description of Condition:					
Contrary to the above, no evidence could	be found of these req	uirements within the follo	owing reviewed p	procedures:	
LANL-YMP-QP-02.5, R4			-		
LANL-YMP-QP-02.7, R4		•		•	
LANL-YMP-QP-02.11, R6		,			
LANL-YMP-QP-06.1, R8					
LANL-YMP-QP-06.2, R6					
LANL-YMP-QP-06.3, R5		•		·	
LANL-YMP-QP-18.2, R6					
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7 Inilator A	111 1	9 Is condition an isolated oc	courence?		
Inthia A. Humphries-Alder	Date 7/51/9	7		vn; Must be Yes if PR	
10 Recommended Actions: (Not required for PR)					
1. Investigate the extent of the deficiency			•	i	
2. Determine actions needed to preclude				•	
3. Revise procedures to include the above	e mentioned QAKD	requirements.			
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11 0x Revise - L. Augustin - l	lde , /	12 Response Due Date			
AR Cynthia A. Humphries-Alder	Date 7/51/9	7 20 workin	g days from	issuance	
13 Director, OQA Issuance Approval: (QAR for PR)	77		27/1		
Printed Name DONALD G. Ho a	Signat	Anna 20	the state of the s	Date (18/97	
22 Corrective Actions Verified		23 Closure Approved by: (A	V/A for PR)	7 %	
OAR	Date	DOQA		Date	
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17 Action to Preclude Recurrence: (Not requi	red for PR)	Required:	X Yes	□ No			—
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	OFFICE	OF CIVILIAN	·	Deficiency Report
·	RADIOACTIVE W	ASTE MANAGEMENT		
	U.S. DEPARTI	MENT OF ENERGY		NO. YM-97-P-016
	WASHII	VGTON, D.C.		PAGE 1 OF 2
	•			QA: L
	PERFORMANCE	DEFICIENCY REPORT		
1 Controlling Document:			2 Related Report F	Vo.
LANL-YMP-QP-12.3, R3			Audit LANL-	
3 Responsible Organization:	la la	Discussed With:	<u> </u>	
S nesponsible organization: LANL		im Young, Steve Chiper	a .	•
5 Requirement/Measurement Criteria:			·	
Paragraph 6.2.3 of subject procedure requithan the M&TE being calibrated. If standato be adequate for the requirements, the Calibration for the calibration	rds with an accuracy oustodian documents th	equal to the M&TE being the basis for calibration and	g calibrated mu eceptance on lin	st be used, and can be shown the 10 of the M&TE Report
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6 Description of Condition:				· · · · · · · · · · · · · · · · · · ·
using a standard of equal accuracy. In addition of greater accuracy. A review of document				
7 Initiator & O.S. U.S.	• • • • •	9 Is condition an isolated or	currence?	
K. O. Gilkerson	Date 07/31/97			own: Must be Yes if PR
10 Recommended Actions: (Not required for PR) Either provide a rationale for use of equal s requirements for the furnaces and the stand	•	•		eptable tolerance
11 QA Review:		12 Response Due Date	·	
QAR A CONTROL OF THE PROPERTY	Date 7/3//47	20 working o	lays from i	ssuance
Frinted Name	erson . Signatu	J. Slot M		Date/31/97
22 Corrective Actions Verified		23 Closure Approved by: (N	I/A for PR)	
QAR	Date	DOQA		Date

Exhibit AP-16.10.1

Enclosure 5 Pg | cf 2 Rev. 06/02/97

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14 Remedial Actions:						
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16 Root Cause Determination: (Not required for PR)		Required:	Yes	☑ No		
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17 Action to Preclude Recurrence: (Not required for PR)		Required:	Yes	√ No		
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18 Corrective Action Completion Due Date:	19 Response by:		***,			
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QAR Date		DOQA			Date	