

Department of Energy

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

MAR 1 2 1996

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

ISSUANCE OF DEFICIENCY REPORT (DR) YMQAD-96-D044, YMQAD-96-D045 AND PERFORMANCE REPORT (PR) YMQAD-96-P023 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD) AUDIT YM-ARP-96-07 OF THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM MANAGEMENT AND OPERATING CONTRACTOR AT SANDIA NATIONAL LABORATORIES (SCPB: N/A)

Enclosed is DR YMQAD-96-D044, YMQAD-96-D045 and PR YMQAD-96-P023 generated as a result of YMQAD Audit YM-ARP-96-07.

Please identify the corrective actions to be taken and implemented to correct the deficiency. PR/DR Continuation Pages have been provided. Send the originals of your responses to Deborah Sult, YMQAD/QATSS, 101 Convention Center Drive, Suite 640, Las Vegas, Nevada 89109. Response to the DRs and PR are due 20 working days from the date of this letter. Any extension to due dates must be requested in writing, with appropriate justification, prior to the due dates.

If you have any questions, please contact either Robert B. Constable at 794-7945 or Daniel A. Klimas at 794-7696.

YMQAD:RBC-1320

Richard E. Spence, Director Yucca Mountain Quality Assurance Division

Enclosures: 1. DRs YMQAD-96-D044 and

- YMQAD-96-D045
- 2. PR YMQAD-96-P023
- 3. PR/DR Continuation Pages

180191

9603190008 960312 PDR WASTE WM-11 PDR

YMP-5

L. Dale Foust

cc w/encls: T. A. Wood, HQ (RW-14) FORS J. G. Spraul, NRC, Washington, DC S. W. Zimmerman, NWPO, Carson City, NV R. R. Richards, SNL, Albuquerque, NM, M/S 1333 R. L. Strickler, M&O, Vienna, VA R. P. Ruth, M&O, Las Vegas, NV cc w/o encls:

-2-

W. L. Belke, NRC, Las Vegas, NVS. D. Harris, YMQAD/QATSS, Las Vegas, NVD. A. Klimas, YMQAD/QATSS, Las Vegas, NVD. G. Sult, YMQAD/QATSS, Las Vegas, NV

MAR 1 2 1996

		\cup		CRIGINAL THIS IS A RED STAMP	
R	ADIOACTIVE W U.S. DEPARTI	OF CIVILIAN ASTE MANAGEM MENT OF ENERGY		B Performance Report Deficiency Report XMQAD-96-D044	
	WASHIN	IGTON, D.C.		PAGE_1_OF_2 QA: L	
1	PERFORMANCE/	DEFICIENCY REPO	DRT		
1 Controlling Document: Quality Assurance Requirements and	Description, revision 4	Į	2 Related Re YM-ARP-		
3 Responsible Organization: Sandia National Laborat		4 Discussed With:	Michaele Brad	· · · · · · · · · · · · · · · · · · ·	
5 Requirement/Measurement Criteria:		· · · · · · · · · · · · · · · · · · ·			
following information as appropriate to t determining that activities were satisfact to be implemented for Model Validation	the work to be perform orily accomplished."		itative acceptan	æ criteria sufficient for	
				•	
6 Description of Condition:		·	·		
The Sandia revision 9, for development of a Work A acceptance criteria for implementation o		• · · · · · · · · · · · · · · · · · · ·			
	f the above QARD req for meeting the needs	uirements. The principal of model validation for t	ll investigator d the Geologic Fi	lescribed a process during amework Model. The	
revision 9, for development of a Work A acceptance criteria for implementation o the audit that appeared to be satisfactory	f the above QARD req for meeting the needs	uirements. The principal of model validation for t	ll investigator d the Geologic Fi	lescribed a process during amework Model. The	
revision 9, for development of a Work A acceptance criteria for implementation o the audit that appeared to be satisfactory	f the above QARD req for meeting the needs	uirements. The principal of model validation for t	ll investigator d the Geologic Fi	lescribed a process during amework Model. The	
revision 9, for development of a Work A acceptance criteria for implementation o the audit that appeared to be satisfactory appropriate implementing document neer appropriate <i>implementing document neer stephen</i> D. 74	f the above QARD req for meeting the needs ds to reflect the proces	uirements. The principal of model validation for the ss intended to be used as 9 QA Review	I investigator of the Geologic Fr well as meet th	lescribed a process during amework Model. The e QARD requirements.	
 revision 9, for development of a Work A acceptance criteria for implementation o the audit that appeared to be satisfactory appropriate implementing document need appropriate implementing document need 7 Initiator 7 Initiator Stephen D. Harris 	f the above QARD req for meeting the needs ds to reflect the proces	9 QA Review OAR	il investigator of the Geologic Fr well as meet th Then D.77	lescribed a process during amework Model. The e QARD requirements.	
revision 9, for development of a Work A acceptance criteria for implementation o the audit that appeared to be satisfactory appropriate implementing document neer appropriate <i>implementing document neer stephen</i> D. 74	f the above QARD req for meeting the needs ds to reflect the proces	9 QA Review 0AR Step 11 QA Issuance Ap	il investigator of the Geologic Fr well as meet th well as meet th <u>proval</u>	lescribed a process during amework Model. The e QARD requirements.	
 revision 9, for development of a Work A acceptance criteria for implementation of the audit that appeared to be satisfactory appropriate implementing document need appropriate implementing document need to be satisfactory. 7 Initiator Stephen D. Response Due Date 	f the above QARD req for meeting the needs ds to reflect the proces	9 QA Review OAR	il investigator of the Geologic Fr well as meet th well as meet th <u>proval</u>	lescribed a process during amework Model. The e QARD requirements.	
 revision 9, for development of a Work A acceptance criteria for implementation of the audit that appeared to be satisfactory appropriate implementing document need appropriate implementing document need to be satisfactory. 7 Initiator Stephen D. Response Due Date 20 working days from issue 	f the above QARD req for meeting the needs ds to reflect the proces	9 QA Review 0AR Step 11 QA Issuance Ap	il investigator of the Geologic Fr well as meet th well as meet th <u>proval</u>	lescribed a process during amework Model. The e QARD requirements.	
 revision 9, for development of a Work A acceptance criteria for implementation of the audit that appeared to be satisfactory appropriate implementing document need appropriate implementing document need to be satisfactory. 7 Initiator Stephen D. Response Due Date 20 working days from issue 	f the above QARD req for meeting the needs ds to reflect the proces	9 QA Review 0AR Step 11 QA Issuance Ap	il investigator of the Geologic Fr well as meet th well as meet th <u>proval</u>	lescribed a process during amework Model. The e QARD requirements.	
 revision 9, for development of a Work A acceptance criteria for implementation of the audit that appeared to be satisfactory appropriate implementing document need appropriate implementing document need to be satisfactory. 7 Initiator Stephen D. Response Due Date 20 working days from issue 	f the above QARD req for meeting the needs ds to reflect the proces Date 03/01/96 ance	9 QA Review 0AR Step 11 QA Issuance Ap	I investigator of the Geologic Fr well as meet th proval Proval	lescribed a process during amework Model. The e QARD requirements.	
revision 9, for development of a Work A acceptance criteria for implementation of the audit that appeared to be satisfactory appropriate implementing document need of the stephen D. Harris 10 Response Due Date 20 working days from issue 12 Remedial Actions: 13 Remedial Action Response By:	f the above QARD req for meeting the needs ds to reflect the proces Date 03/01/96 ance	9 QA Review QAR 11 QA Issuance Ap QAR (PR)/AOQAM	I investigator of the Geologic Fr well as meet th proval proval POwnhulde Due Date	lescribed a process during amework Model. The e QARD requirements.	
 revision 9, for development of a Work A acceptance criteria for implementation of the audit that appeared to be satisfactory appropriate implementing document needs appropriate implementing document needs to be satisfactory appropriate implementing document needs to	f the above QARD req for meeting the needs ds to reflect the proces Date 03/01/96 ance	9 QA Review OAR 11 QA Issuance Ap QAR (PR)/AOQAM	I investigator of the Geologic Fr well as meet th proval proval POwnhulde Due Date	lescribed a process during amework Model. The e QARD requirements.	

-,∓ .

€.

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

8 DR NO**YMQAD-96-D044** PAGE 2 OF 2 QA: L

DEFICIENCY REPORT

17 Recommended Actions:

Add quantitative or qualitative acceptance criteria to the Work Agreement to reflect the QARD requirements and the process for Model Validation.

18 Investigative Actions:

19 Root Cause Determination:

20 Action to Preclude Recurrence:

21 Response by:		22 Corrective Action Completion Due Date:		
	Date			
23 Response Accepted		24 Response Accepted	•	
QAR	Date	AOQAM	Date	
25 Amended Response A	Accepted	26 Amended Response A	Accepted	•
QAR	Date	AOQAM	Date	
27 Corrective Actions Ve	erified	28 Closure Approved by	•	
QAR	Date	ADDAM	Date	

Exhibit AP-16.10.2

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT U.S. DEPARTMENT OF ENERGY WASHINGTON, D.C. ^a Performance Report Wo.TMQAD-96-0043 Performance Report Wo.TMQAD-96-0043 Performance Report Wo.TMQAD-96-0043 Performance Report Workapper Colspan="2">A Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Controlling Document: QARD, Rev. 4 2 Fealated Report No. TM-ARP-96-07 3 Responsible Organization: CRWMS MAGE, Rev. 4, Panagraph 2.2.4, "Planning Work" states: "Planning shall be performed to ensure work is accomplished under satiably controlled conditions," Planning elements shall include as appropriate: A. Definition of work scope, objectives, and a listing of the primary tasks involved. B. Identification of scientific approach or technical methods used to collect, analyze, or study results of applicable work. (see page 3) 6 Description of Condition: Contrary to the above stated requirements, the Study Plan for Study S.3.14.2.3, "Coological Framework and Integrated 3-D Site Model," has not been approved. Numerical model warehousing, described in the draft study plan, is presently being implemented. 7 Inflation Date 20 Working Days From Issuance 20 Working Days From Issuance 12 Remedial Action Response By: Date S A Review Date Date Date Date Date Dat			<u> </u>	1	CRIGINAL THIS IS A RED STAMP
U.S. DEPARTMENT OF ENERGY WASHINGTON, D.C. No. ^{TMQAD-96-D035} PAGE 1 or 3 OA: L PERFORMANCE/DEFICIENCY REPORT 1 Controlling Document: QARD, Rev. 4 2 Related Report No. 7 MARP-96-07 3 Responsible Organization: CRWMS M&O 4 Discussed With: Richard Quittmeyer 5 Requirement/Measurement Criteria: QARD, Rev. 4, Paragraph 2.2.4, "Planning Work" states: "Planning shall be performed to ensure work is accomplished under suitably controlled conditions," Planning Work" states: "Planning shall be performed to ensure work is accomplished under suitably controlled conditions," Planning elements shall include as appropriate: A. Definition of work scope, objectives, and a listing of the primary tasks involved. B. Identification of scientific approach or technical methods used to collect, analyze, or study results of applicable work. (see page 3) 6 Description of Condition: Contrary to the above stated requirements, the Study Plan for Study 8.3.1.4.2.3, " Geological Framework and Integrated 3-D Site Model," has not been approved. Numerical model warehousing, described in the draft study plan, is presently being implemented. 7 Inflaton, Damed Wklings Date 37/MC OAR SOA Review OAR (PRI/AOOAM (DRI/MOR/DIM)). " Date 3/12/6. 1 DA Issuance Approval. 20 Working Days From Issuance 14 Remedial Action Due Date Date Date 13 Remedial Action Response By: 14 Remedial Action Due Date Date Date 13 Remedial Action Response Acceptance OAR 16 FR Verificat	B				Deficiency Report
OA: L PERFORMANCE/DEFICIENCY REPORT 1 Controlling Document: 2 Related Report No. YM-ARP-96-07 3 Responsible Organization: CRWMS M&O 4 Discussed With: Richard Quittneyer YM-ARP-96-07 5 Requirement/Measurement Criteria: QARD, Rev. 4, Paragraph 2.2.4, "Planning Work" states: "Planning shall be performed to ensure work is accomplished under suitably controlled conditions," Planning elements shall include as appropriate: A. Definition of work scope, objectives, and a listing of the primary tasks involved. B. Identification of scientific approach or technical methods used to collect, analyze, or study results of applicable work. (see page 3) 6 Description of Condition: Contrary to the above stated requirements, the Study Plan for Study 8.3.1.4.2.3, " Geological Framework and Integrated 3-D Site Model," has not been approved. Numerical model warehousing, described in the draft study plan, is presently being implemented. 7 Inflaton, Date 3/7/66 0AR 9 OA Review COAR 9 OA Review COAR 9 OA Review COAR 13 Remedial Action Response By: 14 Remedial Action Due Date 1 OA is unance Approval. OAR 9 Date 1 Oate 13 Remedial Action Response By: 14 Remedial Action Due Date 0 Date 0 Date 13 Remedial Action Response Acceptance OAR 0 Date 1 PR Verification/Closure 0 Date			•		NO. YMQAD-96-D045
1 Controlling Document: 2 Related Report No. QARD, Rev. 4 Paragraphi 2.2.4. "Planning Work" states: "Planning shall be performed to ensure work is accomplished under suitably controlled conditions," Planning elements shall include as appropriate: A. Definition of work scope, objectives, and a listing of the primary tasks involved. B. Identification of scientific approach or technical methods used to collect, analyze, or study results of applicable work. (see page 3) 6 Description of Condition: Contrary to the above stated requirements, the Study Plan for Study 8.3.1.4.2.3, "Geological Framework and Integrated 3-D Site Model," has not been approved. Numerical model warehousing, described in the draft study plan, is presently being implemented. 7 Inflated, Markard, Kamada, Date 3/7/46 9 QA Review, GAR (PRI/AOOAM (DRI/A) Date 3/746 10 Response Due Date 0AR (PRI/AOOAM (DRI/A) Date 3/12.4.2.2 20 Working Days From Issuance 14 Remedial Action Due Date 13 Remedial Action Response By: 14 Remedial Action Due Date 13 Remedial Action Response By: 14 Remedial Action Due Date 15 Femedial Action Response Acceptance 16 PR Verification/Closure QAR Date		WASH	INGTON, D.C.		
QARD_Rev. 4 YM-ARP-96-07 3 Responsible Organization: CRWMS M&O 4 Discussed With: Richard Quittneyer 5 Requirement/Measurement Criteria: QARD, Rev. 4, Paragraph 2.2.4, "Planning work" states: "Planning shall be performed to ensure work is accomplished under suitably controlled conditions," Planning elements shall include as appropriate: A. Definition of work scope, objectives, and a listing of the primary tasks involved. B. Identification of scientific approach or technical methods used to collect, analyze, or study results of applicable work. (see page 3) 6 Description of Condition: Contrary to the above stated requirements, the Study Plan for Study 8.3.1.4.2.3, "Geological Framework and Integrated 3-D Site Model," has not been approved. Numerical model warehousing, described in the draft study plan, is presently being implemented. 7 Inflator Damed Ackings Date 3/7///6 0AR Date 3/4/6 11 OA Issuence Approvel. 7 Inflator Damed Ackings Date 3/7//6 0AR Date 3/4/6 0AR Date 3/4/6 0AR 13 Remedial Action Response By: 14 Remedial Action Due Date Date Date Date 13 Remedial Action Response Acceptance 16 PR Verification/Closure Date Date		ERFORMANCE	DEFICIENCY REPO	RT	
CRWMS M&O Richard Quittmeyer 5 Requirement/Measurement Criteria: QARD, Rev. 4, Paragraph 2.2.4, "Planning Work" states: "Planning shall be performed to ensure work is accomplished under suitably controlled conditions," Planning elements shall include as appropriate: A. Definition of work scope, objectives, and a listing of the primary tasks involved. B. Identification of scientific approach or technical methods used to collect, analyze, or study results of applicable work. (see page 3) 6 Description of Condition: Contrary to the above stated requirements, the Study Plan for Study 8.3.1.4.2.3, " Geological Framework and Integrated 3-D Site Model," has not been approved. Numerical model warehousing, described in the draft study plan , is presently being implemented. 7 Infliation Date 3/17/46 9 QA Review. QAR (PRI/ADDAM (DRI/KLIMMA) Date 3/12/6 10 Response Due Date 11 QA Issuance Approval. Parted 3/12/6 20 Working Days From Issuance 0AR (PRI/ADQAM (DRI/KLIMA)). Date 3/12/6 12 Remedial Action Response By: 14 Remedial Action Due Date Date 13 Remedial Action Response Acceptance 16 PR Verification/Closure Date QAR Date 16 PR Verification/Closure Date					
QARD, Rev. 4, Paragraph 2.2.4, "Planning Work" states: "Planning shall be performed to ensure work is accomplished under suitably controlled conditions," Planning elements shall include as appropriate: A. Definition of work scope, objectives, and a listing of the primary tasks involved. B. Identification of scientific approach or technical methods used to collect, analyze, or study results of applicable work. (see page 3) 6 Description of Condition: Contrary to the above stated requirements, the Study Plan for Study 8.3.1.4.2.3, " Geological Framework and Integrated 3-D Site Model," has not been approved. Numerical model warehousing, described in the draft study plan, is presently being implemented. 7 Inflated,		· ·			
suitably controlled conditions," Planning elements shall include as appropriate: A. Definition of work scope, objectives, and a listing of the primary tasks involved. B. Identification of scientific approach or technical methods used to collect, analyze, or study results of applicable work. (see page 3) 6 Description of Condition: Contrary to the above stated requirements, the Study Plan for Study 8.3.1.4.2.3, "Geological Framework and Integrated 3-D Site Model," has not been approved. Numerical model warehousing, described in the draft study plan, is presently being implemented. 7 Infligtor Date 3/7/46 OAR RETION 10 Response Due Date Date 3/7/46 OAR VILLIAMAN DATE 3/7/46 20 Working Days From Issuance Date 3/12/6 DAR (PRI/AOOAM (DRIVERDINAL)). Plate 3/12/6 12 Remedial Action Response By: 14 Remedial Action Due Date Date 16 Response Acceptance 16 PR Verification/Closure Date 0AR Date Date	5 Requirement/Measurement Criteria:	· · · · · · · · · · · · · · · · · · ·	· · · · · ·		
applicable work. (see page 3) 6 Description of Condition: Contrary to the above stated requirements, the Study Plan for Study 8.3.1.4.2.3, " Geological Framework and Integrated 3-D Site Model," has not been approved. Numerical model warehousing, described in the draft study plan, is presently being implemented. 7 Inflation: Date: 3/7/46 9 QA Review. Damed A. Klimas Date: 3/7/46 9 QA Review. 10 Response Due Date 0AR Market	suitably controlled conditions," Plannin	ng elements shall in	clude as appropriate:	ned to ensure	work is accomplished under
Contrary to the above stated requirements, the Study Plan for Study 8.3.1.4.2.3, " Geological Framework and Integrated 3-D Site Model," has not been approved. Numerical model warehousing, described in the draft study plan, is presently being implemented. 7 Initiation A Kimas Date 3/7/96 9 QA Review. Dantel A. Kimas Date 3/7/96 9 QA Review. QAR Manual A. Kimas 10 Response Due Date 11 QA Issuance Approval Image: A for the study of the st		or technical metho	ds used to collect, analyze,	or study resul	ts of
Contrary to the above stated requirements, the Study Plan for Study 8.3.1.4.2.3, " Geological Framework and Integrated 3-D Site Model," has not been approved. Numerical model warehousing, described in the draft study plan, is presently being implemented. 7 Initiation A Kimas Date 3/7/96 9 QA Review. Dantel A. Kimas Date 3/7/96 9 QA Review. QAR Manual A. Kimas 10 Response Due Date 11 QA Issuance Approval Image: A for the study of the st	6 Departmine of Condition				
Damela Klimas Date 3/7/46 OAR United Klimas Date 3/7/46 10 Response Due Date 11 OA Issuance Approval 11 OA Issuance Approval 11 OA Issuance Approval 11 OA Issuance Approval 20 Working Days From Issuance OAR (PRI/AOOAM (DR) (DR) (DR) (DR) (DR) (DR) (DR) (DR)	Contrary to the above stated requirements 3-D Site Model," has not been approved				
Damela Klimas Date 3/7/46 OAR United Klimas Date 3/7/46 10 Response Due Date 11 OA Issuance Approval 11 OA Issuance Approval 11 OA Issuance Approval 11 OA Issuance Approval 20 Working Days From Issuance OAR (PRI/AOOAM (DR) (DR) (DR) (DR) (DR) (DR) (DR) (DR)					
Damela Klimas Date 3/7/46 OAR United Klimas Date 3/7/46 10 Response Due Date 11 OA Issuance Approval 11 OA Issuance Approval 11 OA Issuance Approval 11 OA Issuance Approval 20 Working Days From Issuance OAR (PRI/AOOAM (DR) (DR) (DR) (DR) (DR) (DR) (DR) (DR)					
Damela Klimas Date 3/7/46 OAR United Klimas Date 3/7/46 10 Response Due Date 11 OA Issuance Approval 11 OA Issuance Approval 11 OA Issuance Approval 11 OA Issuance Approval 20 Working Days From Issuance OAR (PRI/AOOAM (DR) (DR) (DR) (DR) (DR) (DR) (DR) (DR)					· · ·
12 Remedial Actions: 13 Remedial Action Response By: 14 Remedial Action Due Date Date Date 15 Remedial Action Response Acceptance 16 PR Verification/Closure QAR Date QAR	Daniel A. Klimas 10 Response Due Date	Date 3/7/4	6 OAR / UMUL 11 OA Issuance App		10 use
Date Date 15 Remedial Action Response Acceptance 16 PR Verification/Closure QAR Date		- <u></u> .	OAH (PH)/AODAM (DHIKILYUMUM	(1)(1) Date J.1.6. LD
Date Date 15 Remedial Action Response Acceptance 16 PR Verification/Closure QAR Date		•			•
Date Date 15 Remedial Action Response Acceptance 16 PR Verification/Closure QAR Date			:		
Date Date 15 Remedial Action Response Acceptance 16 PR Verification/Closure QAR Date					
Date Date 15 Remedial Action Response Acceptance 16 PR Verification/Closure QAR Date	13 Remedial Action Response By:		14 Remedial Action	Due Date	· · · · · · · · · · · · · · · · · · ·
QAR Date QAR Date		Date			Date
	15 Remedial Action Response Acceptance	ce	16 PR Verification/CI	osure	
	QAR Exhibit AP-16.1Q.1	Date	QAR		Date Rev. 07/03/95

.

<u>.</u>.

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

8 DR NO.YMQAD-96-D045 PAGE 2 OF 3 **QA: L**

DEFICIENCY REPORT

17 Recommended Actions:

1) Obtain approval of the Study Plan.

2) Investigate to determine impact on quality of deliverable.

18 Investigative Actions:

19 Root Cause Determination:

20 Action to Preclude Recurrence:

21 Response by:		22 Corrective Action Completion Due Date:		
	Date			•
23 Response Accepted		24 Response Accepted		
QAR	Date	AOQAM	Date	
25 Amended Response Acc	epted	26 Amended Response A	Accepted .	
QAR	Date	AOQAM	Date	
27 Corrective Actions Verif	ied	28 Closure Approved by		
QAR	Date	AOQAM	Date	

Exhibit AP-16.10.2

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

8 Performance Report

NO. YMQAD-96-D045 PAGE 3 OF 3 OA: L

PR/DR CONTINUATION PAGE

Block 5 - Requirements/Measurement Criteria: (continued)

C. Identification of applicable standards and criteria.

D. Identification and selective application, or development, of appropriate implementing documents.

E. Identification of field and laboratory testing equipment, or other equipment.

- F. Identification of, or provisions for the identification of, required records and the recording of objective evidence of the results of the work performed.
- G. Identification of quality assurance program verifications to overview the work performed or the product produced.

H. Identification of prerequisites, special controls, environmental conditions, processes, or skills.

I. Identification of computer software.

			т	CRIGINAL HIS IS A RED STAMP
•	RADIOACTIVE W U.S. DEPART	OF CIVILIAN ASTE MANAGEME MENT OF ENERGY IGTON, D.C.		 Performance Report Deficiency Report NO. YMQAD-96-P023 PAGE 1 OF 1 QA: L
	PERFORMANCE/	DEFICIENCY REPO	RT .	· ·
1 Controlling Document: AP 16.1Q, Rev. 0			2 Related Re YM-ARP-	
3 Responsible Organization: Sandia National Laboratories		Discussed With: Bob Richards	· · ·	
5 Requirement/Measurement Criteria: AP 16.1Q, Rev. 0, Paragraph 5.2.1 the QAR to obtain concurrence with Paragraph 5.3 states, in part : "The	the remedial action."	-		
			I	
7 Initiator 1/		19 QA Review	0.1.1	
Daniel A. Klimas 10 Response Due Date 20 Working Days From Issuance	Date 3/7/9	DAR MUL		M(1) Date 3/7/9/
	<u> </u>	QAR (PRI/AOQAM (Date 9 1/46
12 Remedial Actions:	<u> </u>			Date 9 1/96
12 Remedial Actions:	Date	14 Remedial Action I	Due Date	
	Date ance Date			Date

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

8 Performation Performation	nce Report y Report
NO.	·
PAGE -	OF
	QA: L

PR/DR CONTINUATION PAGE



Rev. 07/03/95

Enclosure 3

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

8 Performance Report Deficiency Report			
NO.			
PAGE - O	F	•	
	۹:	L	

PR/DR CONTINUATION PAGE

.

Exhibit AP-16.10.3

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

8	 Performance Report Deficiency Report 			
	NO.			
·	PAGE -	OF 1		
		_QA: L		

PR/DR CONTINUATION PAGE

Exhibit AP-16.10.3

2