

Department of Energy

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

SEP 05 1996

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

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF DEFICIENCY REPORT (DR) YM-96-D-012, REVISION 1, RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD) AUDIT YM-ARP-96-01 OF THE UNIVERSITY OF NEVADA AT RENO/SEISMOLOGICAL LABORATORY

The YMOAD staff has verified the corrective action to DR YM-96-D-012, Revision 1, and determined the results to be satisfactory. As a result, the DR is considered closed.

If you have any questions, please contact either Robert B. Constable at (702) 794-5580 or Donald J. Harris at (702) 794-1467.

Richard E. Spence, Director Yucca Mountain Quality Assurance Division

YMQAD:RBC-2548

Enclosure: DR YM-96-D-012, Revision 1

cc w/encl:

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

J. G. Spraul, NRC, Washington, DC S. W. Zimmerman, NWPO, Carson City, NV

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

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

D. J. Harris, YMQAD/QATSS, Las Vegas, NV

D. G. Horton, DOE/OQA, Las Vegas, NV

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recip: NMSS/HLUR

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT U.S. DEPARTMENT OF ENERGY

â	Performance Report Deficiency Report
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WASHINGTON, D.C. PAGE			
PERFORMANC	E/DEFICIENCY REP	ORT	
1 Controlling Document: YMP-USGS-QMP-17.1, Rev. 7, Records Management for R	ecord Sources	2 Related Report YM-ARP-96-0	
3 Responsible Organization: M&O/UNRSL 4 Discussed With: J. Brune, D. Von Seggen, B. Parks, T. C			aney
5 Requirement/Measurement Criteria: Page 7) 5.3.4, Creation - Records should be created with day	rk markings against a ligh	t background	
Page 6) 5.3.1.1 Lineouts may be used to identify corrected in using an indelible medium, preferably black ink, and then exincorrect information should remain legible.			
Page 6) 5.3.1 Accuracy - All corrections to records to ensure be accomplished by the date and initials or signature of the propertion on the document.	person authorized to make		
6 Description of Condition: 1) Records of Earthquake locations for the 1993 Catalog, resources were made in pencil. Some records appear to be			
2) The above records do not indicate any initials or signature	e that they were checked for	or accuracy by a s	supervising manager.
3) The above records are not being submitted in a timely ma 1993 Catalog of Seismicity for the Southern Great Basin of N			• • •
			•
7 Initiator Al Harris for James D. Agnew Date 1/1/19	9 QA Review Alon a C QAR Donald J. H	lal Han	ين 2 Date ////92
10 Response Due Date	11 97 Issuance Ap	and the	5 11.01
20 working days after issuance 12 Remedial Actions:	QAR (PRI/ACQAM	ामा पर	Date 1.16-96
Review the approximately 3000 "pink sheets" that do Photocopy any sheets that were filled out in pencil to date each sheet. Submit the records to the Record Procedures. Provide training in record source responsible (M&O QAP-17-1; M&O NLP-17-6), as part of the traprogram. Responsible Individual: David von Seggren. Due David	o produce a record that ca rocessing Center in accord sibilities, including proper ansition from the USGS to	nnot be erased. lance with appro- r record preparati	Review, sign, and priate M&O on and submittal
13 Remedial Action Response By: P.C. Juitt RICHARD C. QUITTMEYER Date 2/14/9	Remedial Action	Due Date Ju	LY 30, 1966 Date
15 Remedial Action Response Acceptance OAR Date 3/12	16 PR Verification/C	DIA	Date

B DR NO.	YMQA	D-96-DV:	2, R1
PAGE	2	OF	3
		QA:	L

DEFICIENCY REPORT

		Actions:

- 1) Make all entries on summary forms in dark ink (preferably black ink). Corrections shall be made by lining out the error, initialing and dating the new entry.
- 2) The supervising manager shall check all entries and indicate agreement by initialing and dating the record.
- 3) Records shall be submitted to the M&O LRC as soon as possibly after submission of the annual seismicity catalog to DOE, preferably no later than 45 days after report submission and approval by DOE.

18 Investigative Actions:

The deficiency identified for 1993 records of earthquake locations exists for such records produced from 10/01/92 through 9/30/95. The accuracy of sheets was documented by qualified personnel using a checkmark rather than by dating and initialing. Entries were made in pencil due to inadequate training in records responsibilities.

Records documenting analysis of earthquakes since 10/01/95 are initialed and dated by a qualified individual as they are produced. Records are prepared in dark ink.

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20 Action to Preclude Recurrence:

NIA

21 Response by: R.C. CIN GILLIAD J. QUITTHENE	itte	8	22 Corrective Action Completion Due Date:
RICHERD 3. QUITTLEVE	R Date	21/11/11/6	
23 Response Accepted		, ,	24 Response Accepted
CAR Il Maris	Date	3113194	ADDAM DEMINABLE Date 3.20.96
25 Amended Response Accepted		7 7	26 Amended Response Accepted
CAR NIA.	Date		ADQAM NA Date
27 Corrective Actions Verified		عا مياريد	28 Closure Approved by
DAR Ken Blointable	Date	8/24/96.	ADDAM ON ON AND TO Date 9.3.96

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QA: L

PR/DR CONTINUATION PAGE

Block 5 - Requirement/Measurement Criteria (continued)

Page 3) 4.3 - The Record Source is responsible for...the timely submittal of QA records and records packages to the LRC.



Z	Performance Report Deficiency Report
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	RADIOACTIVE WASTE MANAGEMENT		
U.S. DEPARTI	NO.	YMQAD-96-D012	
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PERFORMANCEI	DEFICIENCY REPORT	ſ	
1 Controlling Document:		2 Related Report No.	
YMP-USGS-QMP-17.1, Revision 7, Records Management for F		YM-ARP-96-01	
USGS/UNRSL J.	Discussed With: . Brune, D. Von Seggen,	B. Parks, T. Chaney	
5 Requirement/Measurement Criteria: Page 7) 5.3.4, Creation - Records should be created with dark r	markings against a light b	packground.	
Page 6) 5.3.1.1 Lineouts may be used to identify corrected info using an indelible medium, preferably black ink, and then enterincorrect information should remain legible.			
Page 6) 5.3.1 Accuracy - All corrections to records to ensure rebe accomplished by the date and initials or signature of the person correction on the document.	_		-
6 Description of Condition: 1) Records of Earthquake locations for the 1993 Catalog, retains Some entries were made in pencil. Some records appear to have 2) The above records do not indicate any initials or signature that 3) The above records are not being submitted in a timely manner Catalog of Seismicity for the Southern Great Basin of Nevada are	e been erased and re-write at they were checked for er to the USGS LRC, spe	tten in as a correction. accuracy by a supervi cifically, the supportin	sing manager.
7 Initiator	9 QA Review		
James D. Agnew Date 10/26/95	DAR Almale	of Navis	Date 11/1/95
10 Response Due-Date 20 working days from issuance	11 QA Issuance Approval QAR (PR)/ADQAM (DR)	W Lyense	note 11/7/01
12 Remedial Actions:	WAN ILUMANUM ION	- Alance	Date ///
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13 Remedial Action Response By:	14 Remedial Action Due Dat	_	
·	14 nemediai Action Due Dat	e	
Date			Date
15 Remedial Action Response Acceptance	16 PR Verification/Closure		

QAR

Date

QAR

Date

8 OR NO. YMQAD-96-D012 PAGE 2 OF 3 QA: L

	DEF	ICIENC	Y REPO	RT			
17 Recommended Actions: 1.) Make all entries on summary forms in dark ink (preferably black ink). Corrections shall be made by lining out the error, initiating and dating the new entry.							
2) The supervising manager s	shall check all entries and indi	icate agr	reement l	by initializing and	dating the rec	ord.	
3) Records shall be submitted seismicity catalog to DOE, pr	d to the USGS LRC (or M&O referably no later than 45 days					bmission of the	annual
18 Investigative Actions:				· · · · · · · · · · · · · · · · · · ·			
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19 Root Cause Determination:			·	· · · · · · · · ·			
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20 Action to Preclude Recurrence:			·				·
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21 Response by:			22 Correct	ive Action Completion D	ue Date:		
	Date	·					
23 Response Accepted			24 Respon	se Accepted			
QAR :	Date		AOQAMN			Date	
25 Amended Response Accepted			26 Amend	ed Response Accepted			
DAR	Date		AOQAMN			Date	
27 Corrective Actions Verified	'A		28 Closure	Approved by:	1 100	- 111	$\sqrt{2}$
DAR Il Marito	Date //11/9	<u>}_</u>	ADDAMN	Warnch	W W	Date 1	10

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Rev. 07/03/95

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QA: L

PR/DR CONTINUATION PAGE

Block 5 continued

Page 3) 4.3 - The Record Source is responsible for...the timely submittal of QA records and records packages to the LRC.

VERIFICATION OF DEFICIENCY REPORT No. YM-96-D-012

Reviewed Training Records for:

K.Smith.

G.Shields.

B.Wilhelm.

G.Biasi.

D.von Seggren.

J. Torrisi.

J.Brune.

W.Nicks.

N.Stennes.

A.Alburto.

The above were trained in one or more of the following procedures.

QAP-SI-0 Rev.0

QAP-SI-1 Rev.0

QAP-SI-2 Rev.0

QAP-SI-3 Rev.0

QAP-17.1 Rev.4

NLP-17.6 Rev.0

YAP-30.1 Rev.0

YAP-30.2 Rev.0

YAP-30.10 Rev.2

YAP-30.16 Rev.0

YMP/93-04

Volumes I thru XIII of Seismic Event Summary Sheets compiled and submitted to RPC. Records Package Table of Contents authenticated 8/5/96

Transmittal/Receipt Acknowledgements signed by the RPC on 8-8-96

Review of the above documents was performed on 8-28-96., based on this review this deficiency is considered closed.

Robert B. Constable.

8.29.96