

Department of Energy Washington, DC 20585 FEB 0 7 1997

R. W. Craig, Technical Project Officer for Yucca Mountain Site Characterization Project
U.S. Geological Survey
1261 Town Center Drive
Building 4, Room 423, M/S 423
Las Vegas, NV 89134

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF DEFICIENCY REPORT (DR) YM-96-D-048 RESULTING FROM OFFICE OF QUALITY ASSURANCE (OQA) AUDIT YM-ARC-96-10 OF U. S. GEOLOGICAL SURVEY

The OQA staff has verified the corrective action to DR YM-96-D-048 and determined the results to be satisfactory. As a result, the DR is considered closed.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or Mary G. McDaniel at (702) 794-1468.

Donald G. Horton, Director Office of Quality Assurance

OQA:JB-0851

Enclosure: DR YM-96-D-048

cc w/encl: J. O. Thoma, NRC, Washington, DC S. W. Zimmerman, NWPO, Carson City, NV T. H. Chaney, USGS, Denver, CO Records Processing Center = "13"

cc w/o encl: W. L. Belke, NRC, Las Vegas, NV R. W. Clark, DOE/OQA, Las Vegas, NV M. G. McDaniel, OQA/QATSS, Las Vegas, NV D. G. Sult, OQA/QATSS, Las Vegas, NV

RECIP: NMS:

Printed with sov ink on recycled paper

702190177 DR WASTE M-11	970207 PDR	

102

WHT J WM-11

OA: L

		THE IS A DED STAN
RADIOACTIVE V U.S. DEPART	E OF CIVILIAN WASTE MANAGEMENT IMENT OF ENERGY INGTON, D.C.	8 ☐ Performance R ✓ Deficiency Rep Yn7-96-D NO <u>¥MQAD-96-DC</u> PAGE 1 OF 2 QA:
PERFORMANCE	DEFICIENCY REPORT	
1 Controlling Document: YMP-USGS-QMP-12.01, Revision 6, Modification 2		lated Report No. ARC-96-10
3 Responsible Organization: U.S. Geological Survey (USGS)	4 Discussed With: W. Rodman / A. Whiteside / Z.	Peterman
<ul> <li>USGS-QMP-12.01, Section 5.5.1, states: "Upon detection of prepared in accordance with YAP 15.1Q Some of the items</li> <li>Equipment found to be or suspected to be out-of-calibratic procedures or in Scientific Notebooks) being used to colle</li> <li>No closing calibration per Paragraph 5.4.2."</li> </ul>	that constitute a deficient or none on (that is, beyond accepted toler	conforming condition are as fol
<ul> <li>6 Description of Condition:</li> <li>Contrary to the above:</li> <li>Issue 1: Documentation for calibrations performed for analytic both preliminary findings and final report. No NCR this equipment, or justification for continued use of the second second</li></ul>	has been issued to document eva	
Contrary to the above: Issue 1: Documentation for calibrations performed for analytic both preliminary findings and final report. No NCR	has been issued to document eva equipment.	aluations of the data obtained us
Contrary to the above: Issue 1: Documentation for calibrations performed for analytic both preliminary findings and final report. No NCR this equipment, or justification for continued use of or Issue 2: No closing calibration has been documented for Fissi	has been issued to document eva equipment.	aluations of the data obtained us
<ul> <li>Contrary to the above:</li> <li>Issue 1: Documentation for calibrations performed for analytic both preliminary findings and final report. No NCR this equipment, or justification for continued use of a second second</li></ul>	has been issued to document eva equipment. ion-Track System id numbers GC 9 QA Review QAR Winker, M. M.	aluations of the data obtained us
<ul> <li>Contrary to the above:</li> <li>Issue 1: Documentation for calibrations performed for analytic both preliminary findings and final report. No NCR this equipment, or justification for continued use of a source of the source</li></ul>	has been issued to document eva equipment. ion-Track System id numbers GC	aluations of the data obtained us
<ul> <li>Contrary to the above:</li> <li>Issue 1: Documentation for calibrations performed for analytic both preliminary findings and final report. No NCR this equipment, or justification for continued use of a second second</li></ul>	has been issued to document eva equipment. ion-Track System id numbers GC 9 QA Review QAR Minker, M. M. 11 QA Issuence Approval	P-08-FT-A and GCP-08-FT-Z
<ul> <li>Contrary to the above:</li> <li>Issue 1: Documentation for calibrations performed for analytic both preliminary findings and final report. No NCR this equipment, or justification for continued use of a second second</li></ul>	has been issued to document eva equipment. ion-Track System id numbers GC 9 QA Review QAR Minker, M. M. 11 QA Issuence Approval	P-08-FT-A and GCP-08-FT-Z
<ul> <li>Contrary to the above:</li> <li>Issue 1: Documentation for calibrations performed for analytic both preliminary findings and final report. No NCR this equipment, or justification for continued use of a second second</li></ul>	has been issued to document eva equipment. ion-Track System id numbers GC 9 QA Review QAR Minker, M. M. 11 QA Issuence Approval	P-08-FT-A and GCP-08-FT-Z
<ul> <li>Contrary to the above:</li> <li>Issue 1: Documentation for calibrations performed for analytic both preliminary findings and final report. No NCR this equipment, or justification for continued use of a second second</li></ul>	has been issued to document eva equipment. ion-Track System id numbers GC 9 QA Review QAR Minker, M. M. 11 QA Issuence Approval	P-08-FT-A and GCP-08-FT-Z
<ul> <li>Contrary to the above:</li> <li>Issue 1: Documentation for calibrations performed for analytic both preliminary findings and final report. No NCR this equipment, or justification for continued use of a second second</li></ul>	has been issued to document eva equipment. ion-Track System id numbers GC 9 QA Review QAR Minker, M. M. 11 QA Issuence Approval	P-08-FT-A and GCP-08-FT-Z
Contrary to the above: Issue 1: Documentation for calibrations performed for analytic both preliminary findings and final report. No NCR this equipment, or justification for continued use of of Issue 2: No closing calibration has been documented for Fissin no NCR has been initiated. 7 Initiator Many G. McDaniel 10 Response Due Date 20 Working Days From Issuance 12 Remedial Actions: 13 Remedial Action Response By:	has been issued to document eva equipment. ion-Track System id numbers GC 9 QA Review QAR Manuel March 11 QA Issuence Approval QAR (PRI/AOQAM (DR)	Aluations of the data obtained us CP-08-FT-A and GCP-08-FT-Z Date $\frac{2}{24}$ Date $\frac{2}{24}$ Date $\frac{4}{10}$
<ul> <li>Contrary to the above:</li> <li>Issue 1: Documentation for calibrations performed for analytic both preliminary findings and final report. No NCR this equipment, or justification for continued use of the sequence of the sequence</li></ul>	has been issued to document eva equipment. ion-Track System id numbers GC QAR Makes of March 11 QA Issuence Approval QAR (PRI/AOQAM (DR) 14 Remedial Action Due D SEZ ATTRA	aluations of the data obtained us CP-08-FT-A and GCP-08-FT-Z Date $\frac{3/24}{Date}$ Date $\frac{4}{10}$ Date
Contrary to the above: Issue 1: Documentation for calibrations performed for analytic both preliminary findings and final report. No NCR this equipment, or justification for continued use of of Issue 2: No closing calibration has been documented for Fissin no NCR has been initiated. 7 Initiator Many G. McDaniel 10 Response Due Date 20 Working Days From Issuance 12 Remedial Actions: 13 Remedial Action Response By:	has been issued to document eva equipment. ion-Track System id numbers GC 9 QA Review QAR Man M. M. 11 QA Issuence Approval QAR (PRI/AOQAM (DR) 14 Remedial Action Due D SEZ ATTRA 16 PR Verification/Closure	aluations of the data obtained us CP-08-FT-A and GCP-08-FT-Z Date $\frac{3/24}{Date}$ Date $\frac{4}{10}$ Date

•

	RADIOACTIVE W/ U.S. DEPARTM	OF CIVILIAN ASTE MANAGEMENT MENT OF ENERGY GTON, D.C.	<sup>8</sup> DR NO¥MQAD-96-D PAGE 2 OF QA:
	DEFICIEN	ICY REPORT	
17 Recommended Actions:			
Issue 1: Issue NCR(s) to docume Justify continued us	nt out of tolerance conditions a e of equipment; modify technic		of data obtained using equipme
Issue 2: Perform closing calibrat equipment.	ions or issue NCR to document	t situation and evaluation of ac	xeptability of data obtained using
•			
18 Investigative Actions:	······································	<u> </u>	•
		•	•
19 Root Cause Determination:	· · · · ·	<u> </u>	
	•		
	· .		· · ·
		·	
20 Action to Preclude Recurrenc	e:		<u></u>
	-	~	
· · ·			
• · · ·	• •		•
	• •		$\sim$ .
21 Response by:		22 Corrective Action Com	pletion Due Date:
SER ATTAC	HED Date RESPONSE		TTACHED RESPON
23 Response Accepted	<i>R</i> .	24 Response Accepted	NA
OAR / / 25 Amended Response Accepted	P Date	AOQAM 26 Amended Bespanse/Ac	Date
OAR Wand M. Gran	Date 7/2/96	AODAM 9	Uncr Date 7/19/9
27 Corrective Actions Verified	 	28 Cleature Approved by	the is
OAR Man & M.L.	Date 1/3/ 97	AODAM	Date 2/7/9

Performance Report
 Deficiency Report

NO. YMQAD-96-D048

PAGE OF

QA: L

## **PR/DR CONTINUATION PAGE**

### **RESPONSE FOR DEFICIENCY REPORT - YMQAD-96-D048**

#### **BLOCK 12 Remedial Actions:**

<u>ISSUE 1:</u> None required. A Nonconformance Report (NCR) was not generated because a previously USGS deficiency document had identified a deficiency and effected resolution.

<u>ISSUE 2:</u> An NCR is not needed at this time because the actions are being taken in response to this DR. We are in contact with the person who performed the fission-track equipment calibrations and we anticipate obtaining the closing calibration information. If we are unable to substantiate the closing calibration, the Technical Data Information Form (DTN GS950483117452.001) in the affected data records package will be updated to reflect that the data are not qualified and to provide a reference to this DR.

BLOCK 13 Remedial Action Response by:

terne Vinh

5/9/96

Date

Bruce Parks, Associate Chief, Earth Science Investigations Program

**BLOCK 14 Remedial Action Due Date:** 

ISSUE 1: Not required.

ISSUE 2: June 28, 1996 (documented calibration or update data records package)

#### **BLOCK 18 Investigative Actions:**

ISSUE 1: The vendor's 5/16/95 calibration of analytical balances K59633 and 37060137 was witnessed as part of YMP-USGS Quality Assurance supplier verification USGS-95039 (Certified Balance Service [CBS]). Quality Deficiency Report QDR-95056-2 was initiated as a result of the verification activity. The QDR documents that although calibration results for several balances indicated readings did not meet manufacturer's specification, the out-of-tolerance conditions were within the technical procedure requirements for accuracy. Thus, there was no adverse impact on data. A Nonconformance Report would not have been needed because the QDR provided the necessary corrective actions.

ISSUE 2: This deficiency appears to be an isolated condition. Calibration documentation on file for fission-track equipment indicates GCP-08-FT-A was last calibrated on 10/6/94 and due for next calibration on 10/6/95; GCP-08-FT-Z was last calibrated on 11/17/94 and due for next calibration on 11/17/95. There is no evidence that the closing calibrations were conducted as scheduled because the personnel operating the equipment and conducting calibrations had been RIF'd by the USGS Geologic Division. The YMP-USGS Team Chief responsible for the fission-track activity was not aware that the employee was being RIF'd until after the fact. When the calibration reminder notice was issued, YMP-USGS personnel did not issue an NCR because they were trying to contact the RIF'd employee and obtain calibration information. A query of the ATDT indicates only one data records package included data acquired with the fission-track equipment after the last calibration. [DTN GS950483117452.001 includes data acquired from 10/6/94 to 3/4/95.] The fission-track equipment has not been used during FY96.

Exhibit AP-16.1Q.3 5/10/96 CRAIG TO SPENCE

Rev. 07/03/95

Performance Report
 Deficiency Report

NO. YMQAD-96-D048

PAGE \_\_\_ OF \_\_\_

QA: L

### **PR/DR CONTINUATION PAGE**

### **BLOCK 19 Root Cause Determination:**

<u>ISSUE 1:</u> The calibration certification documentation was not annotated with a reference to this QDR, therefore, there was no traceability to the identification of a deficiency and subsequent resolution. The lack of the supplier verification report (USGS-95039-SV) hampered the efforts to retrieve the necessary information during the YMQAD Audit ARC-96-10.

<u>ISSUE 2:</u> An NCR was not initiated because efforts were still underway to contact the RIF'd employee and obtain the needed calibration documentation. Because we expected closing calibrations to be forthcoming, we did not view this as a deficient condition.

### **BLOCK 20 Actions to Preclude Recurrence:**

<u>ISSUE 1:</u> The calibration certification documentation will be annotated with a reference to USGS QDR-95056. The problem involving the missing supplier evaluation report is being handled as part of YMQAD-96-D051.

<u>ISSUE 2:</u> The Isotope Hydrology Team Chief and Quality Assurance Implementation Specialist have been counseled through this DR to initiate NCRs when closing calibrations have not been performed or when calibration due dates have been exceeded.

BLOCK 21

Response by:

5/9/96

Bruce Parks, Associate Chief, Earth Science Investigations Program

**BLOCK 22 Corrective Action Completion Due Date:** 

ISSUE 1: 5/17/96 (annotate calibration documentation)

ISSUE 2: complete with this response

Performance R	eport
---------------	-------

Deficiency Report

NO. YMOAD-96-D048 PAGE OF

## OAL

### PR/DR CONTINUATION PAGE

### AMENDED RESPONSE FOR DEFICIENCY REPORT YMQAD-06-D048

The following information amends and supersedes the £/996 response. To facilitate readability, the response now addresses each issue separately.

ISSUE 1: Out-of-calibration conditions for analytical balances

BLOCK 12 Remedial Actions: As recommended by the YMQAD letter dated 6/5/96, Nonconformance Report (NCR USGS-96-0002) has been initiated in accordance with YAP-15.1Q R2 to document that the vendor's calibration results indicated out-of-tolerance conditions for three balances (S/Ns: 37060137, 3502098, and K59633). The NCR disposition will include an evaluation of the associated technical procedure requirements and an evaluation of the acceptability of data obtained using these balances.

Additionally, the NCR includes the noted discrepancy between the vendor's calibration reports (showing failed to meet manufacturer specifications for 3 balances) and the calibration certification (indicating compliance with manufacturer specifications). As part of the actions necessary to satisfactorily resolve the NCR, Earth Science Investigations Program (ESIP) personnel will meet with the vendor to discuss the calibration certification process, associated problems and corrective actions. A course of action will be agreed upon to resolve this issue and will be described in the NCR disposition.

BLOCK 13 Remedial Action Response by:

6/28/96 Data

Bruce Parks, Associate Chief, Earth Science Investigations Program

BLOCK 14 Remedial Action Due Date: NCR USGS-96-0002 has been initiated (copy attached).

BLOCK 18 Investigative Actions: The vendor's 5/16/95 calibration of 4 analytical balances [S/N 37060137, 3502098, K59633, and 2709142] was witnessed as part of YMP-USGS Quality Assurance supplier verification USGS-95039 (Certified Balance Service [CBS]). The QA supplier verification report is missing and associated actions for the missing record are part of YMQAD-96-D051. The vendor-supplied calibration documentation includes calibration certification with calibration reports for the 4 balances. Calibration report results for 3 of the 4 balances indicated calibrations "failed" to meet manufacturer specifications. Initial indications were that although the balances indicated "failed" the readings were still within the work tolerances of the associated technical procedures. Therefore, Quality Deficiency Report QDR-95056-2 was initiated as a result of the QA verification activity, and it was determined that an additional deficiency document (NCR) would not be needed. The calibration certification documentation was not annotated with a reference to QDR-95056, therefore, there was no traceability to the identification of an associated deficiency document during YMOAD Audit ARC-96-10, and the lack of the supplier verification report (USGS-95039-SV) hampered the efforts to retrieve the necessary information during the YMQAD Audit. However, as noted in the 6/5/96 YMQAD letter to R.W.Craig, the QDR did not accurately document or resolve the deficiency involving 3 balance calibrations that failed to meet manufacturer specifications, and the QDR did not adequately resolve whether the nonconforming conditions were within the allowable tolerances of the technical procedures. An NCR now has been initiated to provide for documentation of the nonconforming conditions and resolution of the problems including the evaluation of associated technical procedure requirements and the evaluation of possible impact on associated data.

BLOCK 19 Root Cause Determination: An NCR was not generated at the time the nonconforming calibration condition was noted because personnel mistakenly thought the NCR to be redundant to the QDR. However, QMP-12.01 R6 did require an NCR for this situation.

BLOCK 20 Actions to Preclude Recurrence: The requirement to initiate NCRs has been re-emphasized via the corrective actions for YMQAD-96-D049. Additionally, key personnel have been reminded of the requirement for NCRs as they work with the response to this DR and the disposition for NCR USGS-96-0002.

BLOCK 21 Response by: \_\_\_\_\_

6/28/96 Date

Bruce Parks, Associate Chief, Earth Science Investigations Program

Block 22 Corrective Action Completion Due Date: DR actions completed with this response. Calibration-related actions will be handled in accordance with NCR USGS-96-0002.

Exhibit AP-16.10

7/2/96 Craig 40 Spence

Rev. 07/03/95

Performance Report **OFFICE OF CIVILIAN** Deficiency Report **BADIOACTIVE WASTE MANAGEMENT** U.S. DEPARTMENT OF ENERGY NO. YMOAD-96-D048 WASHINGTON. D.C. PAGE OF QAL **PR/DR CONTINUATION PAGE** AMENDED RESPONSE FOR DEFICIENCY REPORT YM0AD-06-D048 continued The following information amends and supersedes the \$/9/96 response. To facilitate readability, the response now addresses each lasue separately. ISSUE 2: No closing calibration for fission-track equipment BIOCK 12 Remedial Actions: An NCR is not needed at this time because the actions are being taken in response to this DR. We are in contact with the person who performed the fission-track equipment calibrations and we anticipate obtaining appropriate closing calibration information. we are unable to substantiate the closing calibration, an NCR will be initiated to evaluate the acceptability of the data obtained [as identified in Technical Data Information Form (DTN GS950483117452,001)] using the fission-track equipment. The affected data records package will be annotated based upon the NCR disposition. un that <u>6/78/92</u> BLOCK 13 Remedial Action Response by: Bruce Parks, Associate Chief, Earth Science Investigations Program BLOCK 14 Remedial Action Due Date: July 31, 1996 (obtain documented calibration or Initiate USGS NCR). BLOCK 18 investigative Actions: This deficiency appears to be an isolated condition. Calibration documentation on file for fission-track equipment indicates GCP-08-FT-A was last calibrated on 10/6/94 and due for next calibration on 10/6/95; GCP-08-FT-Z was last calibrated on 11/17/94 and due for next calibration on 11/17/95. There is no evidence that the closing calibrations were conducted as scheduled because the personnel operating the equipment and conducting calibrations had been RIF'd (reduction in force) by the USGS Geologic Division. The YMP-USGS Team Chief responsible for the fission-track activity was not aware that the employee was being RIF'd until after the fact. When the calibration reminder notice was issued, YMP-USGS personnel did not issue an NCR because they were trying to contact the RIFd employee and obtain the needed calibration information. A query of the ATDT indicates only one data records package included data acquired with the fission-track equipment after the last calibration. IDTN G\$950483117452.001 includes data acquired from 10/6/94 to 3/4/95.] The fission-track equipment has not been used during FY96. BLOCK 19 Root Cause Determination: An NCR was not initiated because efforts were still underway to contact the RIF'd employee and obtain the needed calibration documentation. Because we expected closing calibrations to be forthcoming, we did not view this as a non-conforming condition. BLOCK 20 Actions to Preclude Recurrence: The Isotope Hydrology Team Chief and Quality Assurance Implementation Specialist have been counseled through this DR to Initiate NCRs when closing calibrations have not been performed or when calibration due dates have been exceeded. <u>L/28/96</u> Date BLOCK 21 Response by: \_\_\_\_\_ Bruce Parks, Associate Chief, Earth Science Investigations Program Block 22 Corrective Action Completion Due Date: complete with this response Rev. 07/03/95 Exhibit AP-16.1Q

07		TE CHARACTERIZATION PROJECT	Page _1_ of
۱.	Initiator Name: Ardell M. Whiteside Organizatio	n: <u>YMPB-ESiP-Climate/Isotope Hydrology</u> Date:	June 17, 1996
2	Description of Non-Conformance: REQUIREMENT: QMP-12.01 R6. Instrument Calibration.		WBS#: 123822 SCP Activity: 83.1.5.2.1.3 & 5 Indition a
	Nonconformance Report (NCR) shall be prepared in acc out-of-calibration* Continued on page 2	Job Package/	to be or suspected to be
	Hold Tag Applied No. of Hold Tags Applied 2 (s	•	NA
3.	Validation Invalidation	_Organization:	Q 🔲 Non-Q Date:
4		se-As-Is Conditional Release	Copy
5.	Disposition by:	_Organization:	Date:
٩	QA Concurrence With Disposition:	Corrective Action: No Yes	
	Name:	_Organization:	Date:
7.	Completion of Disposition: Hold Tag Removed Name:	No. of Hold Tags Rer	noved Date:
	QA/QC Concurrence:	_Organization:	Date:
6.	Final Review: Name:	_Organization:	Date:
·			······································

1

.

: \*

.

YMP-006-R4 07/03/25 NCR. No. <u>USGS-96-000</u>		OUNTAIN SITE CHARACTERIZATI	OJECT	Page <u>2</u> of
BLOCK 2 Description of	Non-Conf	ormance (continued from page 1)		

\$

NONCONFORMING CONDITION(S): A review of calibration documentation from a vendor (Certified Balance Service [CBS]) indicates deficient calibration conditions (ref.YMQAD-96-D048). Calibration documentation from the CBS's 5/16/95 calibration of 4 balances indicates out-of-manufacturer specification conditions for 3 balances [S/N 37060137, 3502098, and K59633]. Additionally, the CBS calibration certificate was issued to accompany the calibration reports for the 3 balances with out-of-tolerance conditions yet the calibration certificate states "...found to be within manufacturers specifications".

NOTE: Hold Tags for this NCR applied to: 1) original CBS 1995 calibration certification documentation on file with Isotope Hydrology personnel, and 2) Balance 3502098. CBS's 1996 calibration results for balance 37060137 and balance K59633 have been documented in NCR USGS-96-0003.

MEORIA TIDA COPY

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

Performance Report
Deficiency Report

NO. <u>YMQAD-96-D048</u> PAGE OF

#### QA:L

### **PR/DR CONTINUATION PAGE**

10/3/96 EXTENSION REQUEST FOR DEFICIENCY REPORT YM-96-D048

The following information supplements the 6/28/96 response for <u>only</u> the remedial actions (Blocks 12, 13, & 14) for Issue 2.

### ISSUE 2: No closing calibration for fission-track equipment:

**BLOCK 12 Remedial Actions:** During coordination and preliminary verification activities with the DOE YMQAD QAR it was determined that the records package prepared for submittal of additional fission-track closing calibration information was incomplete. The package did not include all of the necessary information for the closing calibration for one (1) of the two (2) calibration standards. The 3/15/95 measurements referred to in the records package were not included for instrument GCP-08-FT-Z, Fish Canyon Tuff Age Standard Zircon. ESIP personnel continue to coordinate with the person who performed the fission-track work and are confident that the information will be obtained to clear up the confusion and correct the records package accordingly. If for some reason the closing calibration information cannot be ascertained, we will initiate an NCR to allow for the evaluation of the acceptability of the data.

The calibration deficiency only impacts one FY95 data package (Technical Data Information Form, TDIF Data Tracking Number, DTN: GS950483117452.001). No fission-track work was performed in FY96 and no fission-track work is planned for FY97. Therefore, the remedial actions are limited to correcting one records package and updating one TDIF. We will continue to coordinate with the QAR to assure that the package is acceptable prior to formally submitting the package into the records management system.

BLOCK 13 Remedial Action Response by:

sull I

Bruce Parks, Associate Chief, Earth Science Investigations Program

BLOCK 14 Remedial Action Due Date: January 17, 1997

10/3/94 CRAIG TO SPENCE

Exhibit AP-16.1Q.3

Rev. 07/03/95

Performance Report

8

NO. <u>YM-96-D-048</u> PAGE \_\_\_\_\_ OF \_\_\_\_\_ QA: L

# PR/DR CONTINUATION PAGE

Verification of Corrective Action for DR YM-96-D-048

Verified the following:

Issue 1:

NCR No. USGS-96-0002 initiated 6-17-96 and validated 8-27-96.

Issue 2:

Closing calibration for fission-track system GCP-08-FT-A dated 2-27-95 and closing calibration for fission-track system GCP-08-FT-Z dated 3-15-95.

Correction to record package for Technical Data Information Form (TDIF) Data Tracking Number (DTN) GS950483117452.001, accession numbers MOL.19960115.0217 and MOL.19960115.0213.

Verified by:

niel

Mary G. McDaniel, QAR

<u>|/3//97</u> Date