



Department of Energy

Washington, DC 20585

QA: L

AUG 27 1997

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

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF DEFICIENCY  
REPORT (DR) LVMO-96-D-057

The Office of Quality Assurance staff has verified the corrective action to  
DR LVMO-96-D-057 and determined the results to be satisfactory. As a result, the DR is  
considered closed.

Note: Issues regarding the procurement of services by the Civilian Radioactive Waste  
Management System Management and Operating Contractor to the University of Nevada  
at Las Vegas and others are addressed in Corrective Action Request YM-97-C-001 and  
were not included in the scope of this DR, LVMO 96-D-057 or surveillance  
M&O-SR-97-043.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or  
Lawrence W. McGrath at (702) 734-1431.

*R.W. Clark*  
For Donald G. Horton, Director  
Office of Quality Assurance

OQA:JB-2207

Enclosure:  
DR LVMO-96-D-057

cc w/encl:  
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  
W. B. Distel, M&O/LANL, Las Vegas, NV  
R. W. Clark, DOE/OQA, Las Vegas, NV

cc w/o encl:  
W. L. Belke, NRC, Las Vegas, NV  
L.W. McGrath, OQA/QATSS, Las Vegas, NV  
D. G. Sult, OQA/QATSS, Las Vegas, NV

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

8  Performance Report  
 Deficiency Report  
 NO. LVMO-96-D-57  
 PAGE 1 OF  
 QA: L

**PERFORMANCE/DEFICIENCY REPORT**

1 Controlling Document:  
UNLV FY96 Statement of Work, Rev 1

2 Related Report No.  
N/A

3 Responsible Organization:  
Scientific Program Operations

4 Discussed With:  
Roger Henning, Bill Distel

5 Requirement/Measurement Criteria:  
UNLV FY96 Statement of Work, Rev 1, page 2, GENERAL, states, in part, " All quality affecting work shall be accomplished in accordance with the DOE/Yucca Mountain Site Characterization Project, Quality Assurance Requirements Document (QARD) and CRWMS M&O QA Implementing Procedures."

6 Description of Condition:  
Contrary to the above requirement, UNLV is currently performing quality affecting activities using procedures developed by the University specifically for their scope of work.

7 Initiator *Michael Malone*  
Mike Malone Date 08/12/96

9 Is condition an isolated occurrence?  
 Yes  No  Unknown; Must be Yes if PR

- 10 Recommended Actions: (Not required for PR)
1. Take the necessary actions to convert the UNLV procedures to M&O procedures.
  2. Conduct an investigation to determine the acceptability of the work currently being done to UNLV procedures.
  3. Ensure that UNLV personnel are trained/indoctrinated to the appropriate implementing procedures.

11 QA Review *Michael Malone*  
QAR M. Malone Date 08/12/96

12 Response Due Date  
09/11/96

13 Affected Organization QA Manager Issuance Approval: (QAR for PR)

Printed Name B. R. Justice

Signature *B. R. Justice*

Date 8/14/96

22 Corrective Actions Verified

QAR *James M. ...*

Date Aug 13, 1997

23 Closure Approved by: (N/A for PR)

AOQAM *R.W. ...*

Date 8/25/97

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

PR/DR NO. LVMO-96-D-57  
PAGE 2 OF 2  
QA: L

*opa 5/20/97*

**PERFORMANCE/DEFICIENCY REPORT RESPONSE**

**14 Remedial Actions:**

The remedial actions are as follows:

[In response to Item 1, Section 10, DR-LVMO-96-D-57]

1. Conversion of UNLV laboratory procedures being used for tracer-in-water analysis for LANL and the USGS are being converted to M&O format and will be submitted for review in accordance with <sup>44P-5.10, Rev 5</sup> processes. These technical procedures are being prepared for use by UNLV as Nevada Work Instructions. This is planned to be completed (approved) by 10/31/96. The responsible individual is Bill Distel.

(continued on attached sheet)

**15 Extent of Condition: (Not required for PR)**

(See Attached Sheet)

**16 Root Cause Determination: (Not required for PR)**

Required  Yes  No

Because this condition is quite limited in scope and the adequacy of the existing procedures has been examined by the testing organization's QA groups and found appropriate and not suspect. A root cause analysis and corrective action to prevent recurrence are not considered necessary.

**17 Action to Preclude Recurrence: (Not required for PR)**

Required  Yes  No

The M&O typically has adequate time and opportunity to meet QARD requirements to have affective procedures in place before a subcontract is finalized. This has been a unique circumstance where the subcontractor was conveyed to the M&O in terms of fiscal responsibility without sufficient time for preparation (or conversion) of appropriate procedures to cover the work of the subcontract. This is not anticipated to occur again in the future, yet the M&O should take steps to ensure that the transition of a subcontract to the M&O's fiscal responsibility will have a transition period adequate to accomplish QARD requirements prior to the start of work.

**18 Corrective Action Completion Due Date:**

11/13/96

**19 Response by:**

Initial

Amended

*William Distel* 9/11/96 794-7740

Date

Phone

**20 Response Accepted**

QAR

Date 9/18/96

**21 Response Accepted (N/A for PR):**

AQQAM

Date

9/18/96

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

NO. LVMO-96-D-057  
PAGE \_\_\_\_\_ OF \_\_\_\_\_  
QA: L

PR/DR CONTINUATION PAGE

VERIFICATION OF CORRECTIVE ACTION FOR DEFICIENCY REPORT (DR) LVMO-96-D-057

This DR was written against the requirement in the University of Nevada at Las Vegas (UNLV) FY '96 Statement of Work, Rev. 1, Page 2, that states in part... "All quality affecting work shall be accomplished in accordance with the DOE/Yucca Mountain Site Characterization Project Quality Assurance Requirements Document (QARD) and implementing QA Procedures".

The Civilian Radioactive Waste Management System (CRWMS) Management and Operating (M&O) Contractor submitted a comprehensive Corrective Action Plan that was approved on September 18, 1996.

A surveillance (M&O-SR-97-043) was conducted at the Harry Reid Center, located on the UNLV campus, Las Vegas, Nevada; a copy of this document is enclosed. It was determined that the corrective action delineated in the approved response have been satisfactorily implemented and are effective.

NOTE: Issues regarding the procurement of services by the M&O to UNLV and others are addressed in CAR YM-97-C-001 and were not included in the scope of this DR, LVMO-96-D-057 or the referenced surveillance, M&O-SR-97-043.

As a result, this DR is considered closed.

  
Lawrence W. McGrath, QAR

Aug - 13 - 1997  
Date