



**Department of Energy**  
 Office of Civilian Radioactive Waste Management  
 Yucca Mountain Site Characterization Office  
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AUG 12 1996

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**ISSUANCE OF SURVEILLANCE RECORD YMP-SR-96-018 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD) SURVEILLANCE OF THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM MANAGEMENT AND OPERATING CONTRACTOR (CRWMS M&O) AT LAS VEGAS, NEVADA**

Enclosed is the record of Surveillance YMP-SR-96-018 conducted by the YMQAD at the CRWMS M&O facilities at Las Vegas, Nevada, June 3 through July 17, 1996 (on a part-time basis).

The purpose of the surveillance was to verify if ongoing work by University of Nevada Las Vegas is being performed in accordance with contractual documents for: Work Breakdown Structure (WBS) 1.2.2.5.1, "Metallic Barriers," and WBS 1.2.3.3.1.3.1, "Site Saturated Zone Ground Water Flow System."

There were no deficiency documents generated as a result of this surveillance. This surveillance is considered completed and closed as of the date of this letter. A response to this surveillance record is not required.

If you have any questions, please contact either Mario R. Diaz at (702) 794-1489 or Donald J. Harris at (702) 794-1467.

Richard E. Spence, Director  
 Yucca Mountain Quality Assurance Division

YMQAD:MRD-2336

Enclosure:  
 Surveillance Record YMP-SR-96-018

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Add: J.G. Spraul

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AUG 12 1996

L. Dale Foust

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cc w/encl:

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

QUALITY ASSURANCE SURVEILLANCE RECORD

SURVEILLANCE DATA

<sup>1</sup> ORGANIZATION/LOCATION: Civilian Radioactive Waste Management System Management and Operating Contractor (CRWMS M&O), Las Vegas, Nevada	<sup>2</sup> SUBJECT: CRWMS M&O Augmented Staff	<sup>3</sup> DATE: 6/3/96
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<sup>4</sup>SURVEILLANCE OBJECTIVE: Determine if the University of Nevada at Las Vegas (UNLV) is performing properly as augmented staff to the CRWMS M&O Teammates, Los Alamos National Laboratory (LANL) and Lawrence Livermore National Laboratory (LLNL).

<sup>5</sup> SURVEILLANCE SCOPE: Determine if ongoing work by UNLV is being performed in accordance with a contractual document for: Work Breakdown Structure (WBS) 1.2.2.5.1, "Metallic Barriers;" work to be performed by UNLV for the CRWMS M&O under the LLNL Quality Assurance (QA) Program, WBS 1.2.3.3.1.3.1, "Site Saturated Zone Ground Water Flow System" work to be performed by UNLV under the LANL QA Program.	<sup>6</sup> SURVEILLANCE TEAM: Team Leader: D. J. Harris Additional Team Members:  N/A
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<sup>7</sup> PREPARED BY: <i>Donald J. Harris</i> Donald J. Harris <u>7/2/96</u> Surveillance Team Leader Date	<sup>8</sup> CONCURRENCE:  N/A QA Division Director Date
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SURVEILLANCE RESULTS

<sup>9</sup>BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:  
 See Page(s) 2-4

<sup>10</sup>SURVEILLANCE CONCLUSIONS:  
 See Page 4

<sup>11</sup> COMPLETED BY: <i>Donald J. Harris</i> Surveillance Team Leader <u>8-6-96</u> Date	<sup>12</sup> APPROVED BY: <i>[Signature]</i> QA Division Director <u>8/9/96</u> Date
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**Block 9 (continued) BASIS FOR EVALUATION/DESCRIPTION OF OBSERVATIONS:**

From June 3 through July 16, 1996, a surveillance was performed (not continuous, but on a part-time basis) of the CRWMS M&O and their augmented UNLV staff. The objective of this surveillance was to determine if the ongoing work being performed by the UNLV as augmented staff to the CRWMS M&O was described sufficiently in an approved contractual documents that specified both the QA and technical requirements.

The Task Orders for Tracer Testing and Microbiologically Influenced Corrosion.

Testing was previously being performed by the UNLV through grants funded by the Office of Civilian Radioactive Waste Management Headquarters. The grant funding was terminated at the end of fiscal year (FY) 1995 by Headquarters. The CRWMS M&O was not aware that they became responsible for future and ongoing work of the Nevada university system (of which UNLV is a part) until February 1996. The CRWMS M&O generated and issued the UNLV FY1996 Statement of Work, Revision 1, dated February 13, 1996. In addition, the CRWMS M&O issued Deficiency Report (DR) Las Vegas CRWMS M&O (LVMO)-96-D-028 on March 13, 1996, which essentially documented that the university system was performing work activities without an approved contractual/procurement document in place that defined UNLV's Statement of Work, technical, and QA Program requirements.

The CRWMS M&O performed Investigative Actions and responded to DR LVMO-96-D-028. The Investigative Actions identified ten activities (scope of work) that were either ongoing or pending funding for work that was previously performed under one of the current CRWMS M&O teammates or the U. S. Geological Survey (USGS). Each identified activity was evaluated and transitioned from contractual control of the CRWMS M&O teammates to the CRWMS M&O. In those cases where the QA Program controls of the augmented staff changed from one CRWMS M&O teammate to a different teammate, transition plans were prepared and approved.

The required planning to close DR LVMO-96-D-028 is currently only about 50% complete; the execution of the planning was estimated to be approximately 30% complete (implemented), and the expectation is that the DR will not be closed this fiscal year.

The UNLV FY1996 statement of work briefly describes the WBS by number and a summary of the task description. In addition, in the general section of the document, a statement is made that "all work will be initiated via an Individual Task Order."

Task Order Number UNLV/96-1, Revision 0, dated May 9, 1996, WBS Number 1.2.3.3.1.3.1, subtask titled; "Tracer Testing." The test description provides that UNLV (Harry Reid Center) will be responsible for the detection, testing, and analysis of the conservative tracers at the C-Well and proposed Southern Tracer Test Complex. This was previously performed under the USGS QA Program. All further work is to be performed for the CRWMS M&O under the auspices of the CRWMS M&O Teammate LANL QA Program. The CRWMS M&O statements of work with both UNLV and LANL have been modified to reflect the responsibilities of both parties to conduct the work under the LANL QA Program. This statement of work identifies the LANL QA Program Procedures that UNLV must comply with and in addition, identifies that the UNLV Technical Procedures are required to be converted to LANL Technical Procedures (which

requires processing via LANL-Yucca Mountain Site Characterization Project (YMP)-Quality Procedure (QP) 06.3 "Preparation, Review and Approval of Detailed Technical Procedures").

Task Order Number UNLV/96-3, Revision 0, dated May 9, 1996, WBS Number 1.2.2.5.1, titled; Metallic Barriers, subtask: "Microbiological - Influenced Corrosion Testing." Activity Description: Identify indigenous microbes from Yucca Mountain representing a known suit of microbiological influenced corrosion testing bacteria. The previous phases of this activity were contractually controlled by LLNL. The CRWMS M&O contractual statements of work with UNLV and LLNL were modified to reflect the responsibility of both parties to continue future work under the LLNL QA Program; therefore, no transition plan was required.

Personnel Contacted:

B. Robert Justice	CRWMS M&O
Nathaniel W. Hodgson	CRWMS M&O
Russell L. Patterson	U.S. Department of Energy/Assistant Manager for Scientific Programs
Michael J. Clevenger	CRWMS M&O/LANL
Thomas H. Chaney	USGS
Roger J. Henning	CRWMS M&O
William B. Distel	CRWMS M&O
Royce Monks	CRWMS M&O/LLNL

Documents reviewed during the course of the surveillance:

- DR LVMO-96-D-028
- Letter LV.SPO.TBR 5/96-393, C. Thomas Statton, to B. R. Justice, Amended Response to DR LVMO-96-D-028.
- UNLV FY1996 Statement of Work, Revision 1, dated 2/13/96
- Task Order Number UNLV/96-1, Revision 0, dated 5/9/96, subject: Tracer Testing
- WBS Dictionary, 1.2.3.3.1.3.1, approved 11/17/95
- Participant Planning Sheet 1.2.3.3.1.3.1, Topical Report, approved 11/13/95
- Letter LV.SPG.RES.5/96-406, C. T. Statton, to D. T. Hoxie, subject LVMO-96-D-028 follow-up
- Letter LV.SPO.RJH.5/96-392; R.J. Henning to file, subject: Explanation of how work progressed on Desert Research Institute, Reno, and UNLV contracted work during funding interim

- Task Order Number UNLV/96-3, Revision 0, dated 5/9/96, subject: Microbiological-Influenced Corrosion Testing
- WBS Dictionary, 1.2.2.5.1
- Participant Planning Sheet 1.2.2.5.1 CRWMS M&O
- Letter LV.SPG.RES.5/96-4-11 C. T. Statton to David Stahl, subject: DR LVMO-96-D-028 follow up requirements

**Block 10 (continued) SURVEILLANCE CONCLUSIONS:**

As a result of this surveillance, it was determined that the ongoing work activities being performed by UNLV based on an approved FY1996 Statement of Work, Revision 1 and approved Task Orders Number UNLV/96-1 and UNLV/96-3. However, UNLV has not been issued an approved contractual document that defines UNLV's statement of work, technical requirements, or the Affected Organization's (AO) QA Program procedures. These deficient conditions are being controlled and resolved via the CRWMS M&O DR LVMO-96-D-028, which was initiated on March 13, 1996.

There were no deficiency documents issued as a result of this surveillance; however, there are two recommendations for management's consideration.

1. Expedite the closure of DR LVMO-96-D-028.
2. For those UNLV activities subject to the requirements of the Quality Assurance Requirements and Description document, that were transitioned to a different AO QA Program, ensure that any data generated was in accordance with the procedures and the revision level in effect during the transition period.