



Department of Energy
Office of Civilian Radioactive Waste Management
Yucca Mountain Site Characterization Office
P.O. Box 98608
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JUN 14 1996

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for Yucca Mountain
Site Characterization Project
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Las Vegas, NV 89109

ISSUANCE OF SURVEILLANCE RECORD YMP-SR-96-015 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 SANDIA NATIONAL LABORATORIES (SNL) (SCP: N/A)

Enclosed is the record of Surveillance YMP-SR-96-015 conducted by the YMQAD at the CRWMS M&O/SNL facilities at the Yucca Mountain Site, Nevada, May 22-31, 1996.

The purpose of the surveillance was to verify satisfactory completion of corrective action for Deficiency Reports YMQAD-96-DO01 and YMQAD-96-DO02.

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 Richard L. Weeks at (702) 794-1431.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:MRD-1964

Enclosure:
Surveillance Record
YMP-SR-96-015

170129

9606180212 960614
PDR WASTE
WM-11 PDR

YMP-5

NH0.311
102.7
WM-11

JUN 14 1996

cc w/encl:

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C. J. Henkel, NEI, Washington, DC
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W. L. Belke, NRC, Las Vegas, NV
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Cyril Schank, Churchill County Commission, Fallon, NV
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Records Processing Center

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

QUALITY ASSURANCE SURVEILLANCE RECORD

SURVEILLANCE DATA

¹ORGANIZATION/LOCATION:
Sandia National Laboratories
(SNL), Yucca Mountain Site,
Nevada

²SUBJECT: Corrective action for Yucca
Mountain Quality Assurance Division
(YMQAD)-96-D001 and YMQAD-96-D002

³DATE: 5/22-31/96

⁴SURVEILLANCE OBJECTIVE: Verify satisfactory completion of corrective action for YMQAD-96-D001 and YMQAD-96-D002.

⁵SURVEILLANCE SCOPE: Examine documentation generated to comply with commitments made by SNL for corrective actions as identified in responses to Deficiency Reports (DR) YMQAD-96-D001 and D002.

⁶SURVEILLANCE TEAM:
Team Leader:
Richard L. Weeks
Additional Team Members:
N/A

⁷PREPARED BY:

Richard L. Weeks Richard L. Weeks 5/21/96
Surveillance Team Leader Date

⁸CONCURRENCE:

N/A
QA Division Director Date

SURVEILLANCE RESULTS

⁹BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:

See Page(s) 2-3

¹⁰SURVEILLANCE CONCLUSIONS:

See Page(s) 4

¹¹COMPLETED BY:

Richard L. Weeks 6/7/96
Surveillance Team Leader Date

¹²APPROVED BY:

David Fan 6-13-96
for QA Division Director Date

Block 9 (continued) BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:

The surveillance began on May 22, 1996 and was completed on May 31, 1996 at the SNL facilities, Yucca Mountain Site, Nevada. The surveillance was done in accordance with Administrative Procedure (AP)-16.1Q, Revision 0, "Performance/Deficiency Reporting," Section 5.7.

This surveillance was conducted to verify that corrective actions described in responses to DRs YMQAD-96-D001 and YMQAD-96-D002 were satisfactorily completed. The aforementioned DRs were generated during the Office of Civilian Radioactive Waste Management Audit YM-ARP-95-03 and previously identified as Corrective Action Reports (CAR) YM-95-015 and YM-95-017, respectively. Based on an examination of objective evidence as described below, corrective action is considered satisfactory and it is recommended that the DRs be closed.

Following is an explanation of verification activities that were completed to determine satisfactory compliance to commitments made in responses provided by SNL for these DRs.

YMQAD-96-D001:

Remedial Action:

It was verified that Sandia Letter Report (SLTR)94-0001, Revision 07, was superseded by Revision 08 in order to address and correct deficiencies identified by the DR. It was also verified that Figure 5.1 was annotated to indicate blow count data was uncorrected.

Investigative Actions (Extent of Deficiency):

It was verified that a technical review of SLTR94-0001, Revision 07, was conducted. The technical reviews were conducted and documented in accordance with SNL Quality Assurance Implementing Procedure (QAIP) 6-3, Revision 03. Document Review and Comment forms were examined and found to be complete.

It was verified that the Civilian Radioactive Waste Management System Management and Operating Contractor design group provided an E-Mail (copy attached) to SNL indicating that the Standard Penetration Test Blow Count Data identified in Figure 5.1 of SLTR94-0001, Revision 07, was not utilized for Exploratory Studies Facility design analyses.

Action to Preclude Recurrence (Preclude Recurrence):

It was verified that QAIP 6-3, Revision 03, Section 5.3, Step 3, was added to require, "consideration of impact on other documents if errors or mandatory changes are noted in the technical review."

It was verified that QAIP 6-3, Revision 03, Section 5.1, Step 3, Note 2: requires the review requester to specify criteria to be used to perform review. Additionally, a checklist for technical reviews is included in APPENDIX A of this procedure.

YMQAD-96-D002:

Remedial Action:

It was verified that Technical Data Information Form (TDIF) 303841, DTN-SNF29041993002.02, which included plate load bearing data identified in the DR, was submitted to the Records Processing Center (RPC). Personnel at the RPC confirmed that the TDIF was received and is identified by accession numbers MOL199506130106, Table of Contents and MOL199506130107, the TDIF.

Page C-63 of SLTR94-0001, Revision 08, provides an explanation of the deviations from American Society of Testing and Materials (ASTM), Procedure D 1196 and an analysis of the impact of the deviations. It was verified that the explanation described on page C-63 was included in TDIF 303841.

Investigative Actions (Extent of Deficiency):

It was verified that Interoffice Correspondence was generated to document the evaluation which compared test results against corresponding ASTM procedures and reported on the actions taken by SNL to address the findings of the evaluation. SLTR94-0001, Revision 08, incorporated corrections.

Action to Preclude Recurrence (Preclude Recurrence):

It was verified that QAIP 6-3, Revision 03, Section 5.3, Step 3, was added to require, "consideration of impact on other documents if errors or mandatory changes are noted in the technical review."

It was verified that QAIP 6-3, Revision 03, Section 5.1, Step 3, Note 2: requires the review requester to specify criteria to be used to perform review. Additionally, a checklist for technical reviews is included in APPENDIX A of this procedure.

The following personnel were contacted during the surveillance:

David Kessel, Technical Lead Engineering, SNL

Michael Riggins, Principal Investigator, SNL

Joseph Schelling, Acting Manager of Department 6853, SNL

Block 10 (continued) SURVEILLANCE CONCLUSIONS:

Based on an examination of objective evidence as identified in Block 9, it is the conclusion of this surveillance that corrective actions implemented by SNL to correct identified deficiencies in DRs YMQAD-96-D001 and YMQAD-96-D002 are satisfactory. It is recommended that DRs YMQAD-96-D001 and YMQAD-96-D002 be closed.

To: Rick Weeks
cc:
From: David Kessel
Date: 05/22/96 03:28:05 PM
Subject: Use of Standard Penetration Test Blow Count Data for Rainier Mesa Tuff, reported in Sandia Letter Report, SLTR94-0001

FYI
To: David Kessel
cc: Saeed Bonabian, Jerry Naaf, Gerald Nieder-Westermann, Dana Rogers
From: John Pye
Date: 05/02/96 08:32:21 AM
Subject: Use of Standard Penetration Test Blow Count Data for Rainier Mesa Tuff, reported in Sandia Letter Report, SLTR94-0001

In response to your request, I confirm that the SPT Blow Count Data reported in the Sandia Letter Report SLTR94-0001, was not utilized or indirectly incorporated by reference in any of the ESF design analyses.