



DEPARTMENT OF ENERGY

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

WBS 1.2.11
QA: N/A

APR 11 1994

Robert M. Nelson, Jr., Acting Project Manager, YMSCO, NV

ISSUANCE OF SURVEILLANCE RECORD YMP-SR-94-037 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) SURVEILLANCE OF YUCCA MOUNTAIN SITE CHARACTERIZATION OFFICE (YMSCO) (SCP: N/A)

Enclosed is the record of Surveillance YMP-SR-94-037 conducted by the YMQAD at the YMSCO facilities in Las Vegas, Nevada, March 21 through April 4, 1994.

The purpose of this surveillance was to verify that Job Packages including Test Planning Packages are prepared in accordance with the Quality Assurance Requirements and Description, and field personnel receive approved instructions to perform Job Package-related functions.

Two Corrective Action Requests (CAR) were issued as a result of this surveillance. Response to these CARs, which were transmitted via separate letter, is due by the date indicated in Block 11 of these CARs.

This surveillance is considered completed and closed as of the date of this letter. A response to this surveillance record and any documented recommendations is not required. However, any open CAR will continue to be tracked until it is closed to the satisfaction of the quality assurance representative and the Director, YMQAD.

If you have any questions, please contact either Robert B. Constable at 794-7945 or Amelia I. Arceo at 794-7737.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-2953

Enclosure:
Surveillance Record YMP-SR-94-037

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PDR WASTE PDR
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N/A031
Add: Ken Hooks
Ltr. Encl. 1 1

APR 11 1994

cc w/encl:

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R. W. Clark, HQ (RW-3.1) FORS
J. W. Gilray, NRC, Las Vegas, NV
K. R. Hooks, NRC, Washington, DC
R. R. Loux, NWPO, Carson City, NV
Cyril Schank, Churchill County Commission, Fallon, NV
D. A. Bechtel, Clark County Comprehensive, Las Vegas, NV
J. D. Hoffman, Esmeralda County, Goldfield, NV
Eureka County Board of Commissioners,
 Yucca Mountain Information Office, Eureka, NV
Lander County Board of Commissioners, Battle Mountain, NV
Jason Pitts, Lincoln County, Pioche, NV
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OFFICE OF
RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.

QUALITY ASSURANCE SURVEILLANCE RECORD

SURVEILLANCE DATA

¹ORGANIZATION/LOCATION:
Yucca Mountain Site
Characterization Project Office
(YMPO)

²SUBJECT:
Field Work Activities

³DATE: 3/2/94

⁴SURVEILLANCE OBJECTIVE:
Verify effectiveness of implementation of field work.

⁵SURVEILLANCE SCOPE:
Verify that Job Packages (JPs) including Test Planning Packages (TPPs) are prepared in accordance with the Quality Assurance Requirements and Description (QARD) and field personnel receive approved instructions to perform JP-related functions.

⁶SURVEILLANCE TEAM:
Team Leader:
A. I. Arceo
Additional Team Members:
F. J. Kratzinger

⁷PREPARED BY:
Amelia I. Arceo 3/2/94
Surveillance Team Leader Date

⁸CONCURRENCE:
R. E. Spence 3/3/94
QA Division Director Date

SURVEILLANCE RESULTS

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

¹⁰SURVEILLANCE CONCLUSIONS:
See Page(s) 5

¹¹COMPLETED BY:
Amelia I. Arceo 4/7/94
Surveillance Team Leader Date

¹²APPROVED BY:
Robert R. Cristalle 4-8-94
QA Division Director Date

ENCLOSURE

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

On March 21, 1994 through April 4, 1994, a surveillance was performed on the Yucca Mountain Site Characterization Office (YMSCO) preparation of Job Packages (JPs) for use in the field.

The following personnel were contacted during the surveillance:

Heidi Lohn, Science Applications International Corporation (SAIC),
JP Coordinator/Test Planning Package (TPP) Project Engineer
Steve Smith, SAIC, Department Manager, Test Planning and Support
Arch Girdley, YMSCO, Field Test Coordinator
David Kessel, Sandia National Laboratories (SNL), Principal Investigator
Dennis Williams, YMSCO, Deputy Assistant Manager, Scientific Programs
Scott Bowlinger, Management and Operating (M&O) contractor, Document
Records Center (DRC)
Kathy Jerome, M&O, Local Records Center (LRC)
Sharon Harris-Womack, M&O, Document Control Center
Judy Zimmerman, M&O, Plans and Procedures Division
Cherry Taylor, SAIC, Office Assistant, Training Department
Russ Riding, SAIC, Division Manager, Training Department
Dan Tunney, Raytheon Services Nevada, Quality Assurance (QA) Supervisor
John Friend, SNL, QA

The following procedures and documents were used as the basis for this surveillance:

Administrative Procedure (AP)-5.21Q, Revision 4, Field Work Activation
AP-5.32Q, Revision 4, Test Planning Package Development and Implementation
AP-6.22Q, Revision 0, ICN 1, Job Package Completion and Records
AP-1.5Q, Revision 8, Distribution, Maintenance, and Use of Controlled and Managed
Documents

JP 94-02, Revision 0, Trenching on the West Side of Exile Hill
JP 94-04, Revision 0, Drilling and Testing of Borehole USW SD-12

TPP 92-01, Revision 9, Trenching on the West Side of Exile Hill
TPP T-93-09, Revision 1, Borehole USW SD-12 Drilling and Testing

Records Package Segment DRC-079
Records Package Segment DRC-076

Raytheon Services of Nevada (RSN) Field Verification Plan FVP-93-055.0

RSN Work Program Number YMP/WP/93-18, Revision 0

Procedure for the Stand-Up Time for Tuff Materials Exposed in Trench NRT-1
(contained in J.F.T. Agapito & Associates Laboratory Notebook No. 5)

Training documentation to AP-5.21Q, AP-5.32Q and AP-6.22Q

The above documents were reviewed and found to be, in general, adequate to convey the required information to the test site. However, the following discrepancies were identified during the surveillance:

Corrective Action Requests (CAR) Issued

CAR YM-94-030 was issued as a result of not sending Revisions 6, 7, 8, and 9 of TPP-92-01 and revision 1 of TPP T-93-09 to the LRC as required by AP-5.32Q.

CAR YM-94-031 was issued to bring procedures AP-5.32Q and AP-5.21Q into compliance with QARD requirements for records.

One deficient condition regarding the missing training to AP-5.32Q by Arch Girdley was resolved/corrected during the surveillance.

RECOMMENDATIONS

JP 94-02, Revision 0

JP Authorization Letter (YMP:WAW-93-285)

Part 11 of this letter states that all participants shall adhere to Waste Isolation and Test Interference controls stipulated in TPP 92-01, Revision 8. The latest revision of this TPP in the LRC was Revision 5 and the latest Revision of this TPP in the DRC was Revision 9. Unless there is a specific reason for using a particular revision, the reference to a particular revision of a document should not be used and a statement "latest revision" be used for the document.

Part 18 of this letter states that no surface-disturbing work shall be done until an EG&G/Energy Measurements, Inc. biologist is present on site unless the biologist, after consultation with the Field Test Coordinator (FTC) (or DR), determines his/her presence is not required. There was no documentation available to show that the EG&G biologist had waived their presence for this JP. It is recommended that a documented record of verbal communication be instituted for these types of waivers.

JP Part B Special Conditions

Paragraph B.1.b.1 states that RSN and Reynolds Electrical and Engineering Company, Inc. (REECo) Daily Operations Reports will be distributed to the DRC in accordance with Field Operating Instruction (FOI) 4072 for distribution to the Site Manager, Site Investigation Branch, and affected and interested participants.

FOI 4072 does not contain the above instructions for report distribution and Daily Operations Reports were not available in the DRC. It is recommended that Reporting/Documentation requirements be made to agree with the procedure referenced.

JP 94-04, Revision 0

JP Authorization Letter (YMP:WAW-94/017)

Part 14 of this letter states that no mobilization and surface-disturbing work shall be initiated until an EG&G/Energy Measurements, Inc. biologist is present on site unless the biologist, after consultation with the FTC and the field engineer, determines his presence is not required. There was no documentation available to show that the EG&G biologist had waived their presence for this JP. It is recommended that a documented record of verbal communication be instituted for these types of waivers.

JP Part A Job Package Scope

Paragraph A.1.b.1 Specific References to Scoping Documents, identified TPP T-93-09, "Borehole USW SD-12 Drilling and Testing," without stating the revision number of the document. It was verified at the DRC that Revision 1 was the current document. The revision of the document should be identified or a statement "latest revision" be used to indicate that the latest revision should be used.

JP Part B Special Conditions

Paragraph B.1.b.1 states that RSN and REECo Daily Operations Reports will be distributed to the DRC for distribution to the Site Manager, YMSCO Site Investigation Branch, and affected/interested participants. Daily Operations Reports were not distributed nor available in the DRC; however, copies of these reports were found with the FTC and RSN. It was verified that RSN did the distribution. It is recommended that Reporting/Documentation requirements be made to reflect current practice or observe the documented requirement.

(Block 10 Continued) SURVEILLANCE CONCLUSIONS:

With the exception of the two CARs issued and the adoption of the recommendations made in Block 9 of this report, it appears that field work is being performed in an effective manner.