

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT
YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION
QUALITY ASSURANCE SURVEILLANCE REPORT OF
RAYTHEON SERVICES NEVADA FIELD VERIFICATION
SURVEILLANCE NO. YMP-SR-92-020
CONDUCTED JULY 16 THROUGH 21, 1992

ACTIVITIES SURVEILLED:

EXAMINED RECORDS GENERATED AS A RESULT OF IMPLEMENTATION OF
RAYTHEON SERVICES NEVADA QUALITY ASSURANCE PROCEDURE QAP-10.1(Y),
REVISION 1, FIELD VERIFICATION

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1.0 EXECUTIVE SUMMARY

This report contains the results of the Office of Civilian Radioactive Waste Management (OCRWM) Quality Assurance (QA) Surveillance No. YMP-SR-92-020 of Raytheon Services Nevada (RSN) Field Verification activities. The surveillance was conducted at the Nevada Test Site (NTS), Area 25, Building 4919 by a member of the Yucca Mountain Quality Assurance Division (YMQAD) of the Office of Quality Assurance in accordance with OCRWM Quality Assurance Administrative Procedure QAAP 18.3, Revision 3.

Based on a review of documentation and interviews with the RSN personnel, field verification activities were found to be performed in accordance with the requirements of RSN's Field Verification procedure Quality Assurance Procedure (QAP)-10.1(Y), Revision 1.

There were no Corrective Action Requests (CARs) issued as a result of this surveillance. One potential CAR condition was identified which addressed the failure to complete a form. The condition was corrected prior to the end of the surveillance.

2.0 SCOPE

Surveillance YMP-SR-92-020 was conducted to determine the adequacy of implementation of RSN field verification activities as required by QAP-10.1(Y), Revision 1.

3.0 SURVEILLANCE TEAM

Richard L. Weeks, Surveillance Team Leader, Quality Assurance Scientist, Science Applications International Corporation (SAIC)/YMQAD, Las Vegas, Nevada

4.0 PERSONNEL CONTACTED DURING THE SURVEILLANCE

Curtis M. McClaskey, Manager of Quality Control (QC), RSN QC

William A. Linquist, Senior Specialist, RSN QC APF1F

Steven S. Ricks, Senior Field Inspector, RSN QC

5.0 SURVEILLANCE RESULTS

- 5.1 The purpose of this surveillance was to determine the adequacy of implementation of the RSN program to conduct field verification of specified items and activities in support of the Yucca Mountain site characterization. A checklist, based on specific requirements from QAP-10.1(Y), Revision 1, was utilized to address specific requirements.
- 5.2 As of the date of this surveillance, one Field Verification Plan (FVP) has been completed and submitted to the Local Records Center (LRC). FVP 91-002 record package (RSN record identification number 1.2.3.5.3), Midway Valley trenching activities, was transmitted to the LRC on 9/27/91 and was found to be complete. The following attributes of field verification activities were examined for adequacy of implementation:
- o Controlled copies of current drawings, specifications, revisions and Design Change documents were available in the QC Field Office.
 - o FVPs were developed for operations requiring verification and included the required information.
 - o Examined FVPs included results of verifications and tests.
 - o Each examined FVP was uniquely numbered.
 - o The QC Field Office maintains a log of FVPs.
 - o All examined FVPs were approved by the Manager of QC.
 - o QC Verification Specialists initialed and dated each FVP operation upon completion.
 - o Verified that Nonconformance Reports are documented on the FVP.
 - o Verified that upon final review of the FVP the Manager of Quality Control or designee signs and dates the FVP.

The following records were examined:

- o Field Verification Plan Number Log (beginning with FVP 91-001)

o **Field Verification Plans**
(All Sampled FVPs, except for FVP 91-002, were in-process.)

FVP 91-002
FVP 92-001
FVP 92-003
FVP 92-004
FVP 92-005
FVP 92-006
FVP 92-007

o **Drawings**

YMP-025-9-CIVL-GE01, R0
YMP-025-9-CIVL-GE02, R0
YMP-025-9-CIVL-GE03, R0
YMP-025-9-CIVL-GE04, R0
YMP-025-9-CIVL-GE05, R0
YMP-025-9-CIVL-GE06, R0
YMP-025-9-CIVL-GE07, R0
YMP-025-9-CIVL-PL01, R0
JS-025-CST-C3.0-A, R0
JS-025-CST-C2.0-A, R0
JS-025-CST-T1.1-A, R0
JS-025-CST-C1.1-A, R0
HN-025-MVT-T1.0-A, R1
HN-025-MVT-C2.1-A, R1
HN-025-MVT-C1.2-A, R2
HN-025-MVT-C4.1-A, R1

o **Specifications**

3-DR-DECV-SP001, R0
3-DR-OECV-SP002, R0
3-DR-SBCV-SP002, R0
3-DR-SBCV-SP003, R0
3-DR-SBCV-SP004, R0
3-DR-SBCV-SP005, R0
3-DR-SBCV-SP006, R0
3-DR-SBCV-SP007, R0
3-DR-SBCV-SP008, R0

5.3 Conditions corrected during the surveillance:

Section 6.4.1 of the field verification procedure requires that reviews of specifications and drawings be documented on Attachment 4 and attached to and maintained as part of the FVP. Contrary to this, Attachment 4 was not maintained on an ongoing basis but rather completed when the FVP record package was closed and submitted to the LRC. RSN personnel corrected the condition and completed Attachment 4 forms for all open FVPs. Additionally, this condition existed only for in-process FVPs. To date only one FVP record package has been closed and submitted to the LRC and all required documents were enclosed.

6.0 RECOMMENDATIONS

None