

JC/SUR OBS RSN QA PRO

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APR 19 1991

Mr. Dwight E. Shelor, Acting Associate Director
for Systems and Compliance
Office of Civilian Radioactive Waste Management
U.S. Department of Energy, RW 30
Washington, D.C. 20585

Dear Mr. Shelor:

SUBJECT: SURVEILLANCE OBSERVATION REPORT NO. 91-S4 ON SURVEILLANCE YMP-SR-91-011
OF THE RAYTHEON SERVICES NEVADA QUALITY ASSURANCE PROGRAM

From March 4-6, 1991, the U.S. Nuclear Regulatory Commission (NRC) staff observed the U.S. Department of Energy (DOE)/Yucca Mountain Site Characterization Project Office (YMPO) Quality Assurance (QA) Surveillance No. YMP-SR-91-011 of Raytheon Services Nevada (RSN) conducted at Las Vegas, Nevada. This letter transmits NRC Surveillance Observation Report No. 91-S4 for the DOE/YMPO surveillance of RSN.

The scope of the DOE/YMPO surveillance of RSN was limited to a review of training and qualification records for RSN personnel for compliance with procedural requirements.

The NRC staff evaluated the DOE/YMPO surveillance to gain confidence that RSN personnel are appropriately trained and qualified to satisfy QA program requirements. The staff's evaluation is based on direct observations of the surveillance team members, discussions with the surveillance team and RSN staff, and reviews of pertinent QA records related to training.

The NRC observer found the DOE/YMPO surveillance of RSN to be satisfactory in evaluating the adequacy of training and qualification records of personnel working for RSN. The records reviewed were generally adequate and complied with QA program requirements. It was noted that the merger of the QA programs of Fenix & Scisson of Nevada and Holmes & Narver into the RSN QA program was not complete as of the week of March 4, 1991. Accordingly, the staff believes that the surveillance would have been more productive if it had been performed at a later date. This would have enabled the surveillance team to review the

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development and implementation of additional RSN procedures based on the requirements of the RSN Quality Assurance Program Description (QAPD-002, Revision 0) document which was approved by the YMPO Quality Assurance Division on February 22, 1991.

If you have any questions concerning this report, please contact James Conway of my staff at (301)/FTS-492-0453.

Sincerely,

ORIGINAL SIGNED BY *Kenneth R. Hooks*

for

John J. Linehan, Acting Director
Repository Licensing and Quality
Assurance Project Directorate
Division of High-Level Waste Management
Office of Nuclear Material Safety
and Safeguards

Enclosure: As Stated

- cc: R. Loux, State of Nevada
- C. Gertz, DOE/NV
- S. Bradhurst, Nye County, NV
- M. Baughman, Lincoln County, NV
- D. Bechtel, Clark County, NV
- D. Weigel, GAO
- P. Niedzielski-Eichner, Nye County, NV

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*See previous concurrence

OFC :HLPD*	:HLPD*	:HLWM <i>KR</i>	:	:	:
NAME:JConway/vw*:KHooks*	:JLinehan	:	:	:	:
Date:04/10/91	:04/10/91	:04/19/91	:	:	:

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of additional RSN procedures based on the requirements of the RSN Quality Assurance Program Description (QAPD-002, Revision 0) document which was approved by the YMPO Quality Assurance Division on February 22, 1991.

If you have any questions concerning this report, please contact James Conway of my staff at (301)/FTS-492-0453.

Sincerely,

John J. Linehan, Acting Director
Repository Licensing and Quality Assurance Project Directorate
Division of High-Level Waste Management
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SURVEILLANCE OBSERVATION REPORT NO. 91-S4

1. INTRODUCTION

Raytheon Systems Nevada (RSN), which is the successor to Fenix & Scisson of Nevada (FSN) and Holmes & Narver (HN), is the U.S. Department of Energy (DOE)/Yucca Mountain Site Characterization Project Office (YMPO) contractor responsible for the design of the aboveground and subsurface facilities and the underground support systems for the Yucca Mountain Site Characterization Project (YMP). This includes field surveillance and inspection of facilities construction. The merger of the QA programs of FSN and HN into the RSN QA program is still ongoing.

From March 4-6, 1991, the Yucca Mountain Quality Assurance Division (YMQAD) of the YMPO conducted Surveillance No. YMP-SR-91-011 of RSN in Las Vegas, Nevada. The surveillance was conducted in accordance with Quality Management Procedure QMP-18-02, Revision 2 "Surveillances." The U.S. Nuclear Regulatory Commission (NRC) staff observed the surveillance. The NRC staff's assessment of the effectiveness of the DOE/YMPO surveillance, and RSN's QA program in the area of training, is presented in this report.

2. PURPOSE

The NRC staff observed this surveillance to evaluate the effectiveness of the DOE/YMPO surveillance team and to gain confidence that RSN is properly implementing QA program requirements in the area of training.

3. SCOPE

The scope of the DOE/YMPO surveillance of RSN was limited to a review of training and qualification records of RSN personnel for compliance with procedural requirements. This included individuals who had worked for FSN and HN and whose records were not previously reviewed due to the limitations of the Privacy Act. The surveillance team did not attempt to evaluate the effectiveness of the training or verify the qualifications of the RSN personnel.

4. PARTICIPANTS

The surveillance was conducted by Science Applications International Corporation (SAIC) staff members working under the authority of the YMQAD. The SAIC team consisted of Amy Arceo, Cynthia Prater, and Steve Dana. James Conway of the NRC staff observed the surveillance. RSN personnel who were contacted included Mike Regenda, Dick Bullock, Randy Schreiner, Arshad Ali, Nickie Diersen, Joe Rue, and Ann O'Donnell.

5. SUMMARY RESULTS

In November 1990, RSN became a participant in the YMP and assumed the contractual requirements previously held by FSN and HN. The transition of the FSN and HN QA programs into the new RSN QA program is ongoing. The RSN QA Program Description (QAPD) document was approved by the YMQAD on February 22, 1991. RSN is developing QA procedures (QAP) and project procedures (PP) to implement the requirements of the QAPD, DOE Administrative Procedures, and other DOE requirement documents. As of the date of the surveillance, only 16 procedures had been finalized. The remaining new QAPs and PPs are scheduled to be in place by September 1, 1991, and appropriate personnel will be trained to the QAPD and these procedures prior to implementation of quality affecting activities.

The surveillance team selected approximately 20 individuals, both management and line personnel, from the RSN organization charts and reviewed their training record files. All of these individuals had previously been trained to FSN procedures PP-10-02 "YMP Training" and PP-60-01 "Personnel Selection and Indoctrination" or HN procedure YMP-230 "Indoctrination, Training, Qualification, and Certification." The majority of these individuals have not yet trained to RSN procedures PP-02-01 "Indoctrination and Training" and PP-02-02 "Personnel Selection" which became effective on February 15, 1991.

The FSN training records maintained by RSN's QA department consisted of a Training Summary, Self-Study Records, Attendance Records, and Lead Auditor Qualifications (if applicable). The HN training records consisted of a Certification of Competency, Position Description, Job Qualification Statement, Equivalency Statement, Document Reading Requirements, and Attendance Records. In addition to some of the above documents, the files in the RSN Human Resources Department contained a verification of prior education, Personnel Qualification Evaluation, Instructor Qualification Position Description, and Proficiency Evaluation forms for former FSN employees; and Pre-employment Verification and Instructor Qualification forms for former HN employees.

On February 22, 1991, RSN was given the authorization by DOE/YMPO to conduct a design study to develop a reference Exploratory Studies Facility design to be used as input to the Title I design summary report. The NRC observer verified that the 10 individuals who were assigned to this project had read 14 applicable RSN procedures and acknowledged by signature and date that they were cognizant of the requirements contained in each procedure.

Although the surveillance team identified minor procedural discrepancies in the old HN QA program, the team did not have any findings against the procedures or limited amount of implementation undertaken in the area of training for the RSN QA program.

6. NRC CONCLUSIONS

The NRC staff determined this limited surveillance to be useful and satisfactory in evaluating the adequacy of the training and qualification records of personnel working for RSN. The DOE/YMPO surveillance team was well prepared and was familiar with the relevant QA procedures. The team was thorough and professional in conducting the surveillance.

The staff believes that the timing of the surveillance was less than optimal. Since the addition of RSN as a participant for the YMP occurred so recently, the merger of the FSN and HN QA programs into the RSN QA program is still in the transition phase. A large number of procedures have yet to be finalized. In addition, individuals have had limited training to the few procedures that have been approved to date. RSN plans to have all the procedures in place and personnel appropriately trained by September 1991. A surveillance of RSN's implementation of training requirements after September 1991 will be necessary to verify program effectiveness in this area.