



## Department of Energy

Washington, DC 20585

AUG 01 1991

Mr. 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  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Linehan:

As requested in your letter of October 24, 1990 (Linehan to Shelor), this letter is to notify you that the remaining exceptions, "Procurement" and the "Software Quality Assurance Program," relative to the acceptance by the U.S. Department of Energy (DOE) Office of Civilian Radioactive Waste Management (OCRWM) of the Holmes and Narver (H&N) and Fenix and Scisson of Nevada (FSN), now combined as Raytheon Services Nevada (RSN), Quality Assurance Program, have been addressed.

The OCRWM Office of Quality Assurance (OQA) would also like to address the transition from the previous FSN and H&N QA Programs to the present RSN QA Program. This change has occurred since the initial U.S. Nuclear Regulatory Commission (NRC) conditional acceptance of the FSN and H&N QA Programs, based on our letter of September 12, 1990 (Stein to Linehan).

As a result of contract changes, the scopes of services previously provided by FSN and H&N have been combined and are now provided by RSN, the replacement participant. The RSN QA Program was formed by merging applicable parts of the approved FSN and H&N QA Programs including the Quality Assurance Program Plans (QAPPs), procedures, instructions, and other related resources. The RSN Quality Assurance Program Description (QAPD) was accepted by OCRWM on February 22, 1991 (letter, Horton to Bullock), and contains at least the same requirements and commitments as the FSN and H&N QAPPs, with changes and additions incorporated only to account for the new organization and amplified program element requirements. A copy of the RSN QAPD is enclosed for your information (see Enclosure 1). In summary, the RSN QA Program is basically an equivalent QA Program to the QA Programs that FSN and H&N employed for their scopes of work and that have been conditionally accepted by the NRC.

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The OCRWM OQA is proceeding with the understanding that the NRC acceptance of the RSN QA Program can be based on the information previously accepted by the NRC on behalf of the predecessor FSN and H&N QA Programs and the OCRWM acceptance of the equivalent RSN QAPD. With this understanding, the remaining exceptions, "Procurement," and the "Software QA Program," are now applicable to the RSN QA Program and will be addressed accordingly. The following information addresses the resolution of these exceptions as they pertain to the RSN QA Program:

#### Procurement

The scope of procurement that is required by RSN to support its present ongoing activities is covered by procedures that address procurement of services and computer software and hardware. The specific RSN procedure that controls purchasing of services is "Purchasing (Services)," PP-04-01 (Revision 0), and the procedure for purchasing computer software and hardware is "Design Engineering Computer Hardware and Software Procurement," PP-19-03 (Revision 0). Verification that these procedures have been issued was performed as part of the preparation of this letter (see Enclosure 2 for the approved cover sheets for these procedures). It should be noted that Yucca Mountain Site Characterization Project (YMP) Administrative Procedure 4.1Q, "Procurement," assigns Reynolds Electrical and Engineering Company, Inc., the responsibility to procure items. As it is not within its scope as a participant, RSN is not required to provide a procedure for the procurement of items.

#### Software QA Program

The RSN Software Quality Assurance Plan (SQAP) was approved by the OCRWM OQA on April 24, 1991. The RSN implementing procedures for the SQAP were issued on June 7, 1991. These items completed the RSN actions necessary to provide a Software QA Program to cover their quality-related computer software activities.

In related actions, the Yucca Mountain Quality Assurance Division performed surveillance YMP-SR-91-008 (see Enclosure 3) on December 10, 1990. The surveillance covered the implementation of the RSN Software QA Program. The surveillance determined that the RSN Software QA Program was being implemented effectively.

Based on this information, the OCRWM OQA concludes that the RSN QA Program is acceptable for implementation of new site characterization activities and other quality-related activities for YMP, with no exceptions.

This information is transmitted to the NRC for its review and unconditional acceptance of the RSN QA Program. Should you have any questions, please contact Sharon Skuchko of my office at (202) 586-4590.

Sincerely,



Dwight E. Shelor  
Associate Director for  
Systems and Compliance  
Office of Civilian Radioactive  
Waste Management

**3 Enclosures:**

1. Raytheon Services Nevada (RSN) QA Program Description for the Yucca Mountain Site Characterization Project, Revision 0
2. Approved Cover Sheets for RSN Procedures PP-04-01, Revision 0, and PP-19-03, Revision 0
3. Surveillance Report No. YMP-SR-91-008

**cc w/Enclosures:**

- C. Gertz, YMPO
- R. Loux, State of Nevada
- K. Whipple, Lincoln County, NV
- M. Baughman, Lincoln County, NV
- J. Bingham, Clark County, NV
- D. Bechtel, Clark County, NV
- S. Bradhurst, Nye County, NV
- B. Raper, Nye County, NV
- P. Niedzielski-Eichner, Nye County, NV
- R. Campbell, Inyo County, CA
- R. Michener, Inyo County, CA
- G. Derby, Lander County, NV
- P. Goicoechea, Eureka, NV
- C. Schank, Churchill County, NV
- C. Jackson, Mineral County, NV
- F. Sperry, White Pine County, NV
- L. Vaughan, Esmeralda County, NV
- K. Hooks, NRC