

# **SUPPORT FOR CONSULTANT REQUEST**

**CONSULTANT:** Dr. Samuel Atkinson

**RATE (dollars/hour):**

**PERIOD OF PERFORMANCE:**

August 11, 2000 through September 30, 2000

**STATEMENT OF WORK:** Dr. Atkinson will participate in two CNWRA projects to provide NRC with technical assistance in the preparation, and review of environmental documents and preparation of environmental review guidance. His role in this work will focus on areas in environmental impact analysis that are outside of the current areas of expertise of CNWRA staff. He will also provide significant input with regard to ensuring consistency of reports and input with National Environmental Policy Act (NEPA) and implementing regulations (40 CFR Parts 1500 through 1508 and 10 CFR Part 51).

**ESTIMATED UTILIZATION (hours):** 100 hours Task 01; 400 hours Tasks 02—06

**PRIOR CONTRACTOR WORK EXPERIENCE WITH SWRI:** Dr. Atkinson worked with the CNWRA from August 1999 through April 2000 to review the Department of Energy (DOE) Draft Environmental Statement (DEIS) for a Geologic Repository for the Disposal of Spent Nuclear Fuel and High-Level Radioactive Waste at Yucca Mountain, Nye County, Nevada.

**PROGRAMMATIC NEED FOR CONTRACTOR WORK:** The June 1, 2000 analysis of work for others prepared by Patrick Mackin (CNWRA) and approved by NRC identifies the need for consultants to support work in areas outside of CNWRA expertise.

**LIST OF ELIGIBLE CONSULTANTS CONSIDERED:** A number of consultants used by CNWRA in reviewing the DOE DEIS (F. Skillern, D. Groeneveld, J. Jonish, S. Atkinson, L. Canter) were considered for this work. Drs. Canter and Atkinson have significant national and international experience in reviewing environmental impact assessments and were selected for their ability to provide strong overall support for this work.

**RATIONALE FOR SOLE/SINGLE SOURCE SELECTION:** Dr. Atkinson has significant national and international experience in reviewing environmental impact assessments and were selected for their ability to provide strong overall support for this work.

**RATIONALE FOR NOT USING SwRI RESOURCES:** SwRI does not have technical staff with comparable experience in the areas outside of CNWRA areas of expertise.

**PROJECT NUMBER(S):** Not assigned

## **STATEMENT OF WORK**

**Samuel Atkinson**

**August 15, 2001**

Dr. Atkinson will be used to support review and preparation of environmental reports and environmental impact statements for the NRC. He will also work in collaboration with CNWRA staff to develop and conduct a course on review of environmental impact statements for commercial clients.

Dr. Atkinson's expertise is in faunal ecology, cumulative impacts, and use of remote sensors. These skills will be employed to review and prepare specific environmental documents as well as to generate procedures and policies to be used generically for environmental reviews. For reviews of specific environmental documents, Dr. Atkinson's input will be integrated with CNWRA-generated input to produce a final product. Input will be prepared consistent with examples provided by the CNWRA.

## **SUPPORT FOR CONSULTANT REQUEST**

**CONSULTANT:** Dr. Samuel F. Atkinson

**RATE (dollars/hour):**

**PERIOD OF PERFORMANCE:** October 1, 2001 to September 30, 2002

**STATEMENT OF WORK:** The draft West Valley Demonstration Project, NY (WVDP) Cleanup Environmental Impact Statement (EIS) will involve Department of Energy (DOE) decisions on near-term actions for decontaminating WVDP facilities and managing wastes generated during decontamination and wastes currently in inventory. Dr. Atkinson will support the CNWRA critical review of the draft Cleanup EIS for conformance with NEPA, CEQ (40 CFR Parts 1500–1508) and NRC (10 CFR Part 51) regulations, and applicable NRC guidance (e.g., DG-4006, NUREGs 0586, 1496 and 1727). Specifically, Dr. Atkinson will provide expertise to review ecological, socioeconomic, and cost-benefit analyses, as well as cumulative impact assessments, and environmental justice. Particular attention will be paid to consistency of conceptual and numerical models, data, and data uncertainty across the draft Cleanup EIS. To the extent practical, the draft Cleanup EIS will also be checked for consistency with the analyses reported in the Closure EIS. As required, Dr. Atkinson may be asked to participate in teleconferences or videoconferences, or travel to San Antonio, TX or Rockville, MD to meet with CNWRA and NRC staff. As a deliverable to the CNWRA, Dr. Atkinson will:

- Provide review comments in an electronic form in a format suitable for incorporation into a CNWRA report documenting the results of the review. The estimated time for completion of this deliverable will be 10 weeks after NRC provides the draft Cleanup EIS to the CNWRA.

**ESTIMATED UTILIZATION (hours):** 120

**PRIOR CONTRACTOR WORK EXPERIENCE WITH SWRI:** Dr. Atkinson has worked with the CNWRA staff in reviewing the DOE draft EIS of Yucca Mountain, NV and has also helped to develop CNWRA input for NRC review guidance.

**PROGRAMMATIC NEED FOR CONTRACTOR WORK:** Effective March 27, 2001, NRC has placed a contract (NRC-02-01-005) with the CNWRA to provide Technical Assistance to NRC in Supporting Review and Preparation of Environmental Impact Statements for the West Valley Demonstration Project. Reviewing the draft Cleanup EIS is identified as Subtask D of Task Order 01 of this contract.

**LIST OF ELIGIBLE CONSULTANTS CONSIDERED:** A number of candidates that have been used in previous CNWRA work related to NRC environmental assessment were considered, including J. Jonish, D. Groeneveld, E. Johnson, and F. Skillern.

**RATIONALE FOR SOLE/SINGLE SOURCE SELECTION:** Dr. Atkinson has participated extensively with both CNWRA and NRC staff in these activities, and is familiar with the NRC regulations, procedures, and review guidance relative to the National Environmental Policy Act (NEPA). Dr. Atkinson has also met CNWRA conflict-of-interest requirements.

**RATIONALE FOR NOT USING SwRI RESOURCES:** Dr. Atkinson has extensive experience with NEPA requirements and the NRC NEPA program that is not generally available at the SwRI.