

# SUPPORT FOR CONSULTANT REQUEST

**CONSULTANT:**

**RATE (dollars/hour):**

**PERIOD OF PERFORMANCE:**

May 21, 1999 through May 21, 2000

**STATEMENT OF WORK:** Dr. Ouzounian will participate in a review of the NRC/CNWRA Total-System Performance Assessment (TPA) Version 3.2 computer program. His review of TPA 3.2 will focus on the manner in which the near- and far-field geochemical environments are modeled with particular emphasis placed on conceptual models used for spent fuel degradation. Dr. Ouzounian will review written materials provided to him prior to the meeting, participate in the external review meeting, and prepare a formal written report that will be used as a partial basis for the CNWRA external review report.

**ESTIMATED UTILIZATION (hours):** 160

**PRIOR CONTRACTOR WORK EXPERIENCE WITH SWRI:** None

**PROGRAMMATIC NEED FOR CONTRACTOR WORK:** The external review of the TPA Version 3.2 code is identified as item 20-1402-761-404 in Revision 13, Change 0 of the CNWRA Operations Plan for the Repository Program for FY1999 under Contract NRC-02-97-009.

**LIST OF ELIGIBLE CONSULTANTS CONSIDERED:** Candidates for the external reviewer positions were identified using a peer nomination process. Approximately 10 potential consultants including Dr. Ouzounian were considered originally for the geochemist's position; Dr. Ouzounian was considered one of the top three finalists based on the peer nomination process. In addition to Dr. Ouzounian, Dr. Michael Apted and Dr. Neil Chapman were considered.

**RATIONALE FOR SOLE/SINGLE SOURCE SELECTION:** Dr. Ouzounian was considered one of the top three finalists based on the peer nomination process. The other finalists, Dr. Michael J. Apted and Dr. Neil A. Chapman could not meet CNWRA conflict-of-interest requirements.

**RATIONALE FOR NOT USING SwRI RESOURCES:** One objective of the external review is to use experts who are independent of the CNWRA and SwRI.

**PROJECT NUMBER(S):** 20-1402-761