

SUPPORT FOR CONTRACTOR REQUEST

CONTRACTOR: Dr. Robert G. Kelly

RATE (dollars/hour):

PERIOD OF PERFORMANCE: April 26, 1999 through April 26, 2000

STATEMENT OF WORK: Dr. Kelly will participate in a review of the NRC/CNWRA Total-system Performance Assessment (TPA) Version 3.2 compute program. His review of TPA 3.2 will focus on the manner in which waste package corrosion is modeled. Dr. Kelly 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 partial basis for the CNWRA external review report.

ESTIMATED UTILIZATION (hours): 160 hours.

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 Plans 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 were considered originally; however, only three finalists in addition to Dr. Kelly were considered for the material scientist's position. These finalists were: (1) Sue Sharland, (2) Fraser King, and (3) Antoine Pourbaix.

RATIONALE FOR SOLE/SINGLE SOURCE SELECTION: Because of recent job changes, neither Dr. Sharland nor Dr. King were able to participate in the external review. It was the opinion of the material scientists at the CNWRA that Dr. Robert Kelly was a better candidate reviewer than Dr. Pourbaix.

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

PROJECT NUMBER(S): 20-1402-761