

SUPPORT FOR CONTRACTOR REQUEST

SUBCONTRACTOR: Bayesian Systems, Incorporated

RATE (dollars/hour): Rates vary depending on the subcontractor employee or consultant to the subcontractor conducting the work Joanne Damours, Doug Reingold (consultant), John Emmerling (consultant), Jr.

PERIOD OF PERFORMANCE: October 1, 1999 through September 30, 2000

STATEMENT OF WORK: Bayesian Systems, Inc. will provide professional technical staff who will assist Dr. Stanley Kaplan, a consultant under contract to the CNWRA, in developing a GUI-based graphical post-processor for the TPA Version 3.2 code. It is anticipated that Bayesian Systems, Inc employees and consultants will primarily contribute in the development and testing of the computer program used to implement the TPA post-processor.

ESTIMATED UTILIZATION (hours): 420 hours of Senior Software Engineer (D. Reingold and J. Emmerling, Jr.) time and 108 hours of Senior Systems Analysts (J. Damours) time.

PRIOR CONTRACTOR WORK EXPERIENCE WITH SWRI: None.

PROGRAMMATIC NEED FOR CONTRACTOR WORK: The development of a Method for Systematic Presentation of PA Approach and Results is identified as item 20-1402-761-204.1 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: No other eligible subcontractors or consultants were considered for this statement of work.

RATIONALE FOR SOLE/SINGLE SOURCE SELECTION: Bayesian Systems, Inc. is co-owned by Dr. Stanley Kaplan, the consultant contracted by the CNWRA to develop the post-processor, and it was felt that using staff resources from Bayesian Systems, Inc would facilitate the timely completion of the project.

RATIONALE FOR NOT USING SwRI RESOURCES: Resources are not available from SwRI as SwRI continues to suffer from a shortage of qualified scientific programmers.

PROJECT NUMBER(S): 20-1402-761