

SUPPORT FOR CONTRACTOR REQUEST

CONTRACTOR: Dr. Frits van Dorp

RATE (dollars/hour) _____ (Swiss Francs)

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

STATEMENT OF WORK: Dr. van Dorp 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 features, events, and processes (FEPS) are considered in the TPA Version 3.2. Dr van Dorp will also assist Dr. F. Ward Whicker in reviewing the treatment of the biosphere in the TPA code. Dr. van Dorp 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

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. Initially, five potential consultants were considered for the FEPS/PA generalist position; however, only Dr. Marie Wiburg and Dr. Frits van Dorp were considered as finalists.

RATIONALE FOR SOLE/SINGLE SOURCE SELECTION: Dr van Dorp was selected over Dr. Wiburg because he received more votes during the peer nomination process and because NRC staff felt that Dr. van Dorp had greater international standing.

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