

## **SUPPORT FOR SUBCONTRACTOR REQUEST**

**CONTRACTOR:** Dr. Jeremy C. Phillips

**RATE (dollars/hour):** Could work on CNWRA tasks 50 hours, and the remaining time would be paid for by Leverhume Foundation (research) and University of Bristol (teaching). Total Annual Salary:

**PERIOD OF PERFORMANCE:** January 1, 2003 to December 31, 2003



### **STATEMENT OF WORK:**

Dr. Phillips will modify existing physical analog apparatus and preform experiments to characterize and bound physical processes that could result from the interaction of the proposed repository with ascending magma.

**ESTIMATED UTILIZATION (hours):** 50 hours

### **PRIOR CONTRACTOR WORK EXPERIENCE WITH SwRI:**

None.

### **PROGRAMMATIC NEED FOR SUBCONTRACTOR WORK:**

Potential interaction of rising magma with proposed repository is one of the least understood and most poorly bounded phenomenology associated with the evaluation of repository safety. This work will allow the phenomenology to be better understood and more clearly bound.

**LIST OF ELIGIBLE SUBCONSULTANTS CONSIDERED:** None

**RATIONALE FOR SOLE/SINGLE SOURCE SELECTION:** Very few experts available in field.

**RATIONALE FOR NOT USING SwRI RESOURCES:** No expertise.

**PROJECT NUMBER(S):** 20.06002.01.051