

**Statement of Work**  
**Dr. Robert T. Sewell**  
**November 6, 2001**

**1. INTERIM STORAGE FACILITIES (DIABLO CANYON, HUMBOLT BAY, AND INEEL).**

Dr. Robert T. Sewell will (1) review natural hazard analyses (seismic, tornado, meteorological, volcanic, and flooding) presented in potential license applications for the waste storage facilities, (2) contribute technically in development of inputs to NRC Safety Evaluation Reports, and (3) provide expert testimony in any potential licensing proceedings.

**2. MOX**

Dr. Sewell will provide technical support to the staff's review the Construction Authorization Request for the MOX facility.

**3. YUCCA MOUNTAIN**

Dr. Sewell will (1) review DOE seismic and faulting hazard analyses, (2) provide technical inputs to staff reports that document issue resolution, and (3) contribute to staff's development of independent technical bases for issue resolution of seismicity and faulting subissues (e.g., incorporation of seismic hazard tools in the 3DStress computer code).

**4. WFO**

Dr. Sewell will work with staff to develop work for other (WFO) projects in natural hazards, including earthquakes, volcanoes, flooding, and climate.