

2000

**Statement of Work for Consultant Contract:**

**Dr. Ridgeway will work on the characterization of the alluvial valley fill in Fortymile Wash and the Amargosa Desert Areas. The performance of the repository is strongly dependent on the hydrologic flow through the alluvium southeast of the repository. The hydrologic flow in turn is dependent on the hydrologic characteristics of the alluvium which are controlled by the structure and sedimentological characteristics of the alluvium which are poorly known and described at this time.**

**Statement of Work**  
**Dr. Kenneth Ridgway**  
**March 21, 2002**

Dr. Kenneth Ridgway will provide technical support to the Structural Deformation and Seismicity (SDS) and Unsaturated and Saturated Flow Under Isothermal Conditions (USFIC) Key Technical Issues (KTIs) regarding the lithostratigraphy, tectonostratigraphy, and hydrostratigraphy of the alluvial and associated sediments within the Yucca Mountain region, especially those strata that occur within the downstream groundwater flow path of Yucca Mountain.