

STATEMENT OF WORK

Dr. Roger Smith

August 2003 through July 2004

Dr. Smith will continue to lend his expertise toward the analysis of temporal and spatial aspects surface and near-surface flow at the Yucca Mountain. This work includes the use of process-based models for runoff and shallow infiltration, and the abstraction of results for use in the Total-System Performance Assessment code. He will also continue to evaluate the reasonableness of neglecting the effect of vegetation, or the simplifications made to account for the effects of vegetation, on net infiltration estimates. His findings may be presented either as stand-alone reports, or as contributions to other CNWRA reports. The estimated level of effort for his assistance to the USFIC KTI is approximately 200 hours during the contract period. Additionally, Dr. Smith's assistance may be needed in other phases of CNWRA work. Such additional work may include, and is not limited to, assistance to other KTIs and on various Work for Others projects.