

STATEMENT OF WORK

A consultant is needed to assist in reviewing DOE TSPA-SR documents for the disposal of high-level waste at the proposed repository at Yucca Mountain. The scope of the review includes DOE's Technical Document, Model Report, and other supporting documents. The primary focus of this task involves the review of the DOE FEPs selection for the TSPA. The review will include DOE FEPs database, supporting AMRs, and the Technical Document. The review should compliment the ongoing FEPs review effort pursued by the CNWRA and NRC staffs. While the consultant is expected to apply his/her independent judgement on the deficiencies in the DOE approach, the comments should be prepared in such a way that those will map onto the NRC acceptance criteria/review method presented in the IRSR. The consultant will provide review findings to the CNWRA in a timely manner so that the significant issues can be raised with the DOE at the planned Technical Exchanges in May and June 2001.

In addition to the FEPs review, the consultant will assist the CNWRA in model verification if and when needed. Expertise in model development for total-system performance assessment of high-level waste disposal system is a plus.