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Mr. Charles R. Purcell
3075 Molokai Place
Costa Mesa, California 92626

Contract # AT-(49-24)-1600

SUBJECT: PREPARATION OF TOPICAL REPORT/EROSION

Dear Rus:

As discussed during conversations on Monday, February 25, the NRC is continuing to evaluate the possible effect of erosion on the Yucca Mountain site. We would like you to provide a list of additional references relating to the erosion rates which have been documented for the geologic setting of Yucca Mountain, or other similar terrains. In addition to this, you should scan the references and identify those with erosion rates greater than 0.23 meters per thousand years. These should be submitted verbally to Ben Rice by March 1. The entire listing should be submitted in a letter to be followed by a topical letter report on expected rates of erosion and mass wasting in the Yucca Mountain region in light of expected climatic changes in arid and semiarid regions. The report should specifically address range of estimated rates, required input parameters/assumptions and relative importance and sensitivity of input parameters.

Based on the results of this report, the NRC may wish to perform additional studies leading to a site technical position on erosion. As you will be attending the Penrose Conference on Stratigraphic Indicators of Climatic Change in Arid and Semiarid Regions, we feel that this report should be submitted to the NRC after this conference to allow you the benefit of determining if the report reflects the present state of the art on the subject.

In order to complete this tasking, the NRC authorizes you a total of 13 days plus necessary and justified expenses. Expenses for travel, room and board, and registration fee for the Penrose Conference are specifically excluded from this authorization.

WM Record File
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WM Project 11
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If there is any question regarding this task, please contact either Phil Justus or myself.

Sincerely,

John S. Trapp
Geology/Geophysics Section
Geotechnical Branch
Division of Waste Management, NMSS

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| OFFICE : | WMGT | WMGT | : | : | : | : | : |
| NAME : | JTrapp:dw | PJustus | : | : | : | : | : |
| DATE : | 85/05/28 | 85/03/05 | : | : | : | : | : |
