

# Center for Nuclear Waste Regulatory Analyses

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August 28, 1998  
Contract No. NRC-02-97-009  
Account No. 20-1402-461

U.S. Nuclear Regulatory Commission  
ATTN: Dr. John Trapp  
Office of Nuclear Material Safety and Safeguards  
Mail Stop 7 C6  
Washington, DC 2055

Subject: Transmittal of the deliverable "Volcanic Hazards at the Proposed Yucca Mountain, Nevada, High-Level Radioactive Waste Repository II: Probabilistic Analysis" (20-1402-461)

Dear Dr. Trapp:

Enclosed is the second part of IM 20-1402-461-850 entitled "Volcanic Hazards at the Proposed Yucca Mountain, Nevada, High-Level Radioactive Waste Repository II: Probabilistic Analysis." The first part of this IM was forwarded to NRC on July 24, 1998. The enclosed manuscript relates the probabilistic analysis of volcanic hazards for the proposed repository at Yucca Mountain. This manuscript provides the technical basis for the conclusions of the Igneous Activity IRSR.

Upon the receipt of acceptance of this milestone the manuscripts will be submitted to the Journal of Geophysical Research. This manuscript has been prepared in the journal format.

If you have any questions please contact Dr. Chuck Connor at (210) 522-6649 or me at (210) 522-5183.

Sincerely,



H. Lawrence McKague  
Manager, Geology and Geophysics

/adm  
Enclosure

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