

MAY 01 1991

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Mr. Dwight E. Shelor, Acting Associate Director  
for Systems and Compliance  
Office of Civilian Radioactive Waste Management  
U.S. Department of Energy, RW 30  
Washington, D.C. 20585

Dear Mr. Shelor:

SUBJECT: SUMMARY OF THE MARCH 20-21, 1991 TECHNICAL EXCHANGE

The purpose of this letter is to transmit the summary (see enclosure) for the March 20-21, 1991 technical exchange between the U.S. Nuclear Regulatory Commission (NRC) and the U.S. Department of Energy (DOE). The purpose of this technical exchange was to discuss aspects of DOE's site characterization program in geochemistry, especially (1) DOE's assessment of mineral stability at Yucca Mountain and (2) DOE's radionuclide transport and retardation studies and the applicability of laboratory experiments to repository-scale calculations. Representatives from the State of Nevada also participated in the technical exchange.

If you have any questions concerning this letter or the enclosure, please contact King Stablein (FTS/[301]-492-0446) of my staff.

Sincerely,

*for* (Original Signed by *Joseph J. Linehan*)  
John J. Linehan, Acting Director  
Repository Licensing and Quality  
Assurance Project Directorate

Division of High-Level Waste Management  
Office of Nuclear Material Safety  
and Safeguards

Enclosure: As Stated

- cc: R. Loux, State of Nevada
- C. Gertz, DOE/NV
- S. Bradhurst, Nye County, NV
- M. Baughman, Lincoln County, NV
- D. Bechtel, Clark County, NV
- D. Weigel, GAO
- P. Niedzielski-Eichner, Nye County, NV

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