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Department of Energy
Nevada Operations Office
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DEC 2 1992

S. M. Coplan
High-Level Waste Management
Development Branch
Division of Waste Management
U.S. Nuclear Regulatory Commission
7915 Eastern Avenue
Silver Spring, MD 20910

Dear Mr. Coplan:

Enclosed for your background in preparation for the Workshop on Geochemistry are several documents that contain the bulk of the data generated by Los Alamos National Laboratory for the NNWSI Project. I will send under separate cover an index identifying where data is located in these reports so as to provide answers to your questions. I will also send under separate cover several other information sheets that will cover the following.

- Location of all boreholes and water wells
- Chemistry of groundwater from all boreholes and wells
- Stratigraphy from each borehole

The titles of the reports enclosed in this package are:

LA-7480-MS "Sorption-Desorption Studies on Tuff"
LA-8110-MS "Sorption-Desorption Studies on Tuff"
LA-8747-MS "Sorption-Desorption Studies on Tuff"
LA-9321-MS "Summary of the Mineralogy-Petrology of Tuffs of Yucca Mountain and the Thermal Stability of Secondary Phases in Tuffs"
LA-9510-MS "Evaluation of Geochemical Properties for Use in Area-to-Location Screening for Nuclear Waste Repository Site at the Nevada Test Site"
LA-9471-MS "Theoretical and Experimental Determination of Matrix Diffusion and Related Solute Transport Properties of Fractured Tuffs from the Nevada Test Site"
LA-9329-MS "The Elution of Radionuclides Through Columns of Crushed Rock from the Nevada Test Site"
LA-9327-PR "Research and Development Related to the Nevada Nuclear Waste Storage Investigations"
LA-9484-PR "Research and Development Related to the Nevada Nuclear Waste Storage Investigations"
LA-9328-MS "Summary Report on the Geochemistry of Yucca Mountain and Environs"

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I want to draw to your attention the last document, LA-9328-MS. This is the most recent and most comprehensive compilation of geochemistry data. The report is still undergoing policy review within DOE. However, since it contains the kind of technical data that will be important to NRC in conducting the workshop, I am making an exception by providing it to you prior to completion of policy review. I expect that this document will not be given wide distribution prior to its publication in the Spring of 1983.

I look forward to a productive meeting at Los Alamos on January 12 and 13.

Best regards,



Donald L. Vieth

Director

Waste Management Project Office

WMPO:DLV-202

Enclosures:

As stated

cc w/o encls:

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