



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

See packet 5 for
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OCT 26 1984

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WM DOCKET CONTROL
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MEMORANDUM FOR: Robert E. Browning, Director
Division of Waste Management

FROM: Tilak R. Verma, Senior On-Site
Licensing Representative
Salt Repository Project (SRP)

SUBJECT: SRP SITE REPORT FOR THE WEEK OF OCTOBER 22, 1984

1. Jeff Daniels of U.S. Geological Survey, stationed in Denver, gave a presentation on application of "Hole to Surface Resistivity Technique" in geotechnical investigations. This technique has been used by the Survey in their work in the Paradox Basin. After the presentation, I had a discussion with Daniels on theoretical aspects of the technique. The technique could be used during the site characterization. I have invited Daniels to give a presentation to our geotechnical staff and he has agreed on a presentation. I will coordinate this with John Trapp and Phil Justus from WMGT. A copy of the report that gives some theoretical details of the technique is attached for your information.
2. A letter by George D. DeBuchananne (U.S. Geological Survey) raises some issues regarding the domal salt sites. I have reviewed this letter (dated March 7, 1981) from the Survey to DOE. Our geotechnical staff should review the letter and DOE's response to the letter in preparing for EA reviews.
3. I have reviewed a "Status Report: Numerical Modeling of Groundwater Flow in the Paleozoic Formations, Western Paradox Basin, Utah." It is still in the draft form. The report is prepared by an ONWI contractor, Woodward-Clyde Consultants. A three-dimensional finite-difference numerical model has been used to simulate the groundwater flow patterns in Paleozoic Strata in the western Paradox Basin. The lack of available data on hydraulics and stratigraphy becomes a major limitation in exercising the U.S.G.S. computer code (Trescott and Larson, 1976).

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Tilak R. Verma

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Senior On-Site
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Salt Repository Project

cc: M. Bell
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WM Record File

WM Project 16

Docket No.

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Gary Sanborn, RIV
GG C2

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