

MEMO POHLE/88/03/16

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MEMORANDUM FOR: Philip S. Justus, PE MGR., Geologic Setting, USNRC
Technical Review Branch
Division of High-Level Waste Management

FROM: Donald L. Chery, Section Leader
Hydrology Section
Technical Review Branch
Division of High-Level Waste Management

SUBJECT: TECHNICAL DIRECTION TO CNWRA TO PROVIDE A REVIEW OF
SAND 84-1895: "TECHNICAL BASIS FOR PERFORMANCE GOALS,
DESIGN REQUIREMENTS, AND MATERIAL RECOMMENDATIONS FOR THE
NNWSI REPOSITORY SEALING PROGRAM"

Please provide Technical Direction to the CNWRA initiating a Technical Review of SAND 84-1895, "Technical Basis for Performance Goals, Design Requirements, and Material Recommendations for the NNWSI Repository Sealing Program" (Fernandez, J.A., et. al.). This Technical Direction applies to the Operation Plan for the Geologic Setting Program Element for Year 1 (FY 88); Task 4: Support Geologic Setting Investigations and Compliance Determination; Subtask 4.1: Support Technical Analyses, Evaluate Data and prepare Selected Topical Reports.

The technical scope of their review is as follows: The surface water and groundwater sections of the report should be reviewed to determine the adequacy of the technical basis for NNWSI repository sealing performance goals and design requirements. Particular attention should be paid to chapters 3, 4 and 5. Chapter 3 should be reviewed to evaluate the adequacy and conservativeness of the methodology used to develop the hydrologic goal for the sealing system. Chapter 4 should be reviewed to determine if the methodology and modeling of water flow into the shafts and underground facility is valid and conclusions about the need for sealing presented in chapter 5 are reasonably conservative.

Please have the CNWRA submit their review by April 29, 1988. William Ford will track this review for the Hydrology Section. Specific questions are to be directed to Mr. Ford (492-0506).

Attached for your convenience are two (2) copies of the subject report.

Donald L. Chery, Section Leader
Hydrology Section
Technical Review Branch
Division of High-Level Waste Management

Attachments:
As stated

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