

March 24, 1988

Technical Direction #4

MEMORANDUM FOR: John L. Russell, CNWRA
FROM: Philip S. Justus, HLTR
SUBJECT: TECHNICAL DIRECTION #4. PROVIDE A REVIEW OF SANDIA NATIONAL LABORATORY REPORT 84-1895 BY J. A. FERNANDEZ, AND OTHERS, "TECHNICAL BASIS FOR PERFORMANCE GOALS, DESIGN REQUIREMENTS, AND MATERIAL RECOMMENDATIONS FOR THE NNWSI REPOSITORY SEALING PROGRAM"

This Technical Direction applies to Operations Plan for the Geologic Setting Program Element for Year 1; Task 4: Support Geologic Setting Investigations and Compliance Determination; Subtask 4.1: Support Technical Analyses, Evaluate Data and Prepare Selected Topical Reports.

You are directed to provide a selected technical review and evaluation of the subject report, SAND-84-1895. The technical scope of the 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 conservatism 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 submit the report by April 29, 1988. The Project Officer for this Subtask 4.1. activity 1, is William Ford. He can be reached at 301-492-0506. If you need anything and can't contact Mr. Ford, call Tin Mo, the Task 4 Project Officer (492-0541), or Philip Justus. Two copies of SAND-84-1895 were mailed separately on or about March 21, 1988.

The action taken by this Technical Direction is considered to be within the scope of the current contract NRC-02-88-005. No changes to cost or delivery of contracted services and products are authorized. Please notify me immediately if you believe that this Direction would result in changes to cost or delivery of contracted services or products.

Philip S. Justus



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except PDR, LPDR,
CF, CNWRA & TLSS*

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DATE: MAR 24 1988

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