

April 4, 1988

Technical Direction #6

MEMORANDUM TO: John L. Russell
Manager, Geologic Setting
Center for Nuclear Waste Regulatory Analyses
6220 Culebra Road, Drawer 28510
San Antonio, TX 78284

FROM: Philip S. Justus
Technical Review Branch
Division of High-Level Waste Management, NMSS

SUBJECT: TECHNICAL DIRECTION #6. ATTEND DOE/NRC WORKSHOP ON ALTERNATIVE
CONCEPTUAL MODELS, APRIL 10-15, 1988, LAS VEGAS, NEVADA

This Technical Direction applies to Operations Plan for the Geologic Setting Program Element for Year 1: Task 2: Develop Technical and Analytical Capability: Subtask 2.1: Identify, Acquire, and Review Technical Document and Attend Technical Meetings.

You are directed to attend the joint DOE/NRC Workshop on Alternative Conceptual Models to be held April 11 to 15, 1988 in Las Vegas, Nevada. The purpose of the meeting is to consider different conceptual models of the ground water system, including geologic, tectonic, hydrologic, geochemical, and climatological influences in the Yucca Mountain region. The meeting is to promote open discussion about similarities, differences and compatibilities of the various conceptual models. Using such information, DOE will be able to ensure that the SCP contains plans for data collection sufficient to evaluate alternative models. An agenda will be sent separately.

The purpose of your attendance at the Workshop and any adjunct field trips is for you to gain a better understanding of the current Yucca Mountain site conceptual and numerical models, computer codes and databases concerning geoscience and geoengineering attributes of the Yucca Mountain geologic setting, and to observe surface geological features of Yucca Mountain and vicinity. Concentrate on the opportunities to learn about the various conceptual and numerical tectonic, hydrologic and geochemical models and the supporting technical data for such models that bear upon the characterization of the Yucca Mountain geologic setting.

You will be part of an NRC team that will include Project Managers, technical staff and contractors. The team leader is Mr. King Stablein (or his designate); you should take directions from him while the Workshop is formally in session. You are free and encouraged to participate in discussions and interchanges with DOE and others, as appropriate; see Mr. Stablein, at the meeting, regarding how interactions are to be conducted and documented.

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The required Meeting Report Summary should summarize the various methods, models, codes, databases and surface geologic features that you observed or heard discussed. Attach pertinent references to items mentioned in your report; such references may include copies of handouts, portions of field guide maps and photographs taken in the field (see Technical Direction #3 regarding documentation of photographs). An acceptable report format is one similar to your trip report of 12/21/87. The Meeting Report Summary should take about one day to prepare and is due to the NRC GS PE Manager by COB May 6, 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
Technical Review Branch
Division of High-Level Waste Management, NMSS

OFFICIAL CONCURRENCE AND DISTRIBUTION RECORD

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CONCURRENCE

ORGANIZATION/CONCUREE

HLTR/PJustus

INITIALS

HLTR for P.J.

DATE CONCURRED

88/04/04