

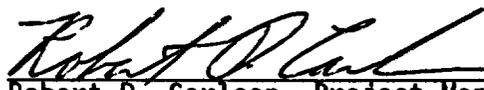
ENCLOSURE

Minutes From the November 24, 1992.  
Interactions Scheduling Meeting

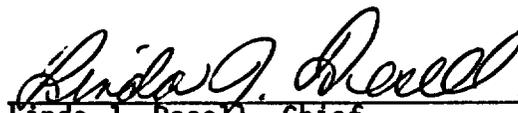
On November 24, 1992, staff from the Nuclear Regulatory Commission met at the U.S. Department of Energy (DOE) headquarters with representatives from DOE for an interactions scheduling meeting. The purpose of the meeting was to discuss and schedule interactions in the area of high-level waste management between the NRC staff and DOE from January through June 1993. The meeting was conducted via tele-video conference between DOE's Washington, D.C. office and the Yucca Mountain Project Office (YMPO) in Las Vegas, NV. A telephonic bridge line was established for the State of Nevada and affected units of local government to participate in the meeting, of which the State was the only participant. A list of attendees is found in Attachment 1.

At the meeting, the NRC staff and DOE agreed to schedule seven interactions during the January to June 1993 time frame. Also, one additional interaction was tentatively scheduled for July 1993. The list of interaction topics, including the objective, scope, date, and location of each, is provided in Attachment 2. A firm date could not be established at the meeting for the Yucca Mountain site visit proposed in March 1993, but will be identified by DOE upon availability of DOE Project Investigators. Two additional topics were identified as potential future interactions that may be scheduled during the next interactions scheduling meeting. Both the NRC staff and DOE agreed that there should be early discussions prior to all scheduled interactions to establish the details of the agendas. This entails providing mutual access to relevant documents and letters containing key issues on the respective interaction topics.

The next interactions scheduling meeting was scheduled for June 7, 1993, in Las Vegas, NV. The meeting will be held prior to the geophysical activities and volcanism interactions currently scheduled for that week. This meeting will be conducted to select and schedule interactions for July through December 1993.

 1/6/93

Robert D. Carlson, Project Manager  
Repository Licensing and Quality  
Assurance Project Directorate  
Division of High-Level Waste  
Management  
Office of Nuclear Material Safety  
and Safeguards  
U.S. Nuclear Regulatory Commission

 1/7/93

Linda J. Deseri, Chief  
Regulatory Integration Branch  
Office of Civilian Radioactive  
Waste Management  
U.S. Department of Energy

November 24, 1992

## NRC/DOE INTERACTIONS SCHEDULING MEETING

Attendance List

## Washington, D.C. (Forrestal Building)

<u>Name</u>	<u>Organization</u>	<u>Phone</u>
Robert Carlson	NRC/HLWM	(301) 504-2435
Charlotte Abrams	NRC/HLWM	(301) 504-3403
Linda Desell	DOE	(202) 586-1462
Chris Einberg	DOE	(202) 586-8869
Mary Birch	M&O	(703) 204-8862

## Las Vegas, NV (Yucca Mountain Project Office)

<u>Name</u>	<u>Organization</u>	<u>Phone</u>
Steve LeRoy	M&O/CRWMS	(702) 794-7836
Thomas Bjerstedt	DOE/YMPO	(702) 794-7590
Dennis Royer	DOE/YMPO	(702) 794-1892
Diane Harrison	DOE/YMPO	(702) 794-7275
Donovan Schutt	M&O/CRWMS	(702) 794-1838
A.C. Douglas	City of Las Vegas	
E. Tiesenhausen	CCCP	(702) 455-5175
Jamie Gonzalez	DOE/YMPO	(702) 794-7337

## Other (Telephone)

<u>Name</u>	<u>Organization</u>	<u>Phone</u>
Steve Frishmen	State of Nevada	(702) 687-3744

## NRC/DOE INTERACTIONS FOR JANUARY - JUNE 1993

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**Topic:** Waste Isolation Pilot Plant (WIPP) Round Table Discussion (NRC Observation)

**Objective:** This meeting would provide the NRC staff an opportunity to observe a dialogue between representatives of the WIPP performance assessment program and the Yucca Mountain Project Office (YMPO) performance assessment program.

**Scope:** Discussions would focus on the performance assessment program at WIPP, and include a tour of the WIPP facility.

**Date:** January 12-13, 1993

**Place:** Carlsbad, NM (site visit, Jan 12th)/Albuquerque, NM (meeting, Jan 13th)

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**Topic:** On-Going Activities at Yucca Mountain: Study Plan 8.3.1.17.4.6 (Quaternary Faulting Within the Site Area), and Exploratory Studies Facility (ESF) Activities (Site Visit)

**Objective:** Provide the NRC On-site representative and adjunct NRC staff an opportunity to: observe and discuss progress on recent trenching of Stagecoach Road Fault and Solitario Canyon Fault - located in Crater Flat; observe ESF construction activities; and explain the seismic initiative.

**Scope:** The site visit would focus on discussion of mapping progress, stratigraphy, structure, and trench logs for study plan 8.3.1.17.4.6; ESF construction, accomplishments, and remaining work to be performed; and describe activities and schedules related to the accelerated seismic initiative.

**Date:** March 1993 (exact date TBD)

**Place:** Yucca Mountain Site, NV

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**Topic:** DOE Topical Reports (Management Meeting)

**Objective:** To improve the understanding of DOE's use of topical reports and NRC's plan to review them.

**Scope:** This management meeting would focus on a discussion of NRC staff comments on DOE's November 9, 1992, paper explaining its use of topical reports. It would also include a presentation and discussion of the NRC staff's Topical Report Review Plan (currently under preparation).

**Date:** May 3, 1993

**Place:** Las Vegas, NV

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**Topic:** DOE's Program Planning and Integration (Technical Exchange)

**Objective:** To provide NRC a presentation on the processes by which technical guidance and direction are provided to projects by the Office of Civilian Radioactive Waste Management (OCRWM) at DOE Headquarters, and the role that the Systems Planning and Integration Branch plays in integrating development efforts across the four major system elements.

**Scope:** This technical exchange would focus on the extent and functions of the Program Management Systems Manual, the Systems Engineering Management Plan, the Baseline Management Plan, and the Test and Evaluation Master Plan. Systems integration will be discussed in context of Integration Working Group and Interface Control Working Group activities. In addition, DOE will provide a brief presentation on the relationship between the Mined Geologic Disposal System Annotated Outline and the issues resolution initiative, and DOE activities performed under systems engineering.

**Date:** May 17, 1993

**Place:** Washington D.C.\Las Vegas, NV (via tele-video conference)

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**Topic:** OCRWM Technical Baseline Documents (Technical Exchange)

**Objective:** Provide NRC staff an opportunity to discuss OCRWM's treatment of NRC requirements contained in 10 CFR Part 60, 71, and 72.

**Scope:** Discussions would focus on OCRWM's technical baseline consisting of Program-Level System Requirements documents and Project-Level Design Requirements documents.

**Date:** May 18, 1993

**Place:** Washington D.C.\Las Vegas, NV (via tele-video conference)

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**Topic:** DOE's Approach to the Integration of Geophysical Activities With Other Site Characterization Activities (Technical Exchange)

**Objective:** To discuss DOE's progress towards resolving comments #51, #52, and #59 of the NRC staff review of the Site Characterization Plan (SCP), as they relate to the integration of planned geophysical activities with other site characterization activities.

**Scope:** This technical exchange will focus on DOE's approach to resolving the staff's concerns with respect to the integration of geophysical survey programs with other activities, including investigations of fault displacement hazards, igneous activity hazards, and natural resources. Also, included in this interaction should be DOE's recently announced geophysical program initiative (Carl Gertz's presentation to the Advisory Committee on Nuclear Waste, October 21, 1992). The NRC staff is seeking to be appraised of current plans to integrate geophysical activities into other investigations, and the results to date of geophysical prototype testing activities.

**Date:** June 8, 1993

**Place:** Las Vegas, NV

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**Topic:** Volcanism (Technical Exchange)

**Objective:** To discuss DOE's volcanism studies detailed in a Los Alamos National Laboratory (LANL) technical report and seek a DOE/NRC technical consensus on the approach to assess the impact of volcanism on the proposed repository at Yucca Mountain. Also, discuss DOE's progress towards resolving NRC's Site Characterization Analysis comments #43, #45, and possibly #49, and open items resulting from NRC staff detailed technical reviews of Study Plan 8.3.1.8.1.1 (Probability of Magmatic Disruption of a Repository) and Study Plan 8.3.1.8.5.1 (Characteristics of Volcanic Features).

**Scope:** The goal of this technical exchange is a discussion with NRC that will lead to an understanding of DOE's methodology employed in volcanism studies (LANL will have prepared and published a technical report summarizing the details of all Yucca Mountain Project volcanism studies to date prior to the exchange). A secondary goal is to obtain an understanding of current disagreements and clarification leading toward resolution. The feedback obtained from NRC will be used by DOE to refine the volcanism issue resolution process. The goal of the issue resolution process for this topic is to move toward an understanding by NRC of DOE's methodology to quantify the probability of a basaltic magmatic event directly penetrating and disrupting the proposed repository.

**Date:** June 9, 1993

**Place:** Las Vegas, NV

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**Topic:** Exploratory Studies Facility (ESF) Title II Design (Technical Exchange)

**Objective:** The objective of this technical exchange is to discuss the alternative that was chosen for the ESF Title II Design and to discuss the analysis and design methods that were used.

**Scope:** The technical exchange will focus on how the ESF Title II Design differs from the alternatives described in the ESF Alternatives Study, and will concentrate on the strengths and weaknesses of the Title II Design compared to those described in the Alternatives Study. This interaction also presents an opportunity for NRC staff to receive an overview of the design and analysis procedures being used by DOE.

**Date:** (Tentatively scheduled for July 28, 1992)

**Place:** TBD

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**Topic:** Glass Waste Form Research (Technical Exchange)

**Objective:** To discuss the progress and results of both the NRC and DOE research on simulated high-level waste glass forms.

**Scope:** This technical exchange would focus on the DOE glass waste form research program, and especially the testing and results related to each producer's waste form (e.g., West Valley Demonstration Project and the Defense Waste Processing Facility). In addition, the NRC would discuss the results of its independent research activities on the simulated high-level waste glass samples provided by DOE.

**Date:** TBD (at next interactions scheduling meeting)

**Place:** Argonne National Laboratory, IL

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**Topic:** DOE Waste Package and Engineered Barrier System (EBS) Development Program (Technical Exchange)

**Objective:** To discuss the status of, and progress to date, of DOE's "Waste Package Plan," and reference EBS design.

**Scope:** This technical exchange would focus on the progress in DOE's implementation of the Waste Package Plan, and the technical approach for the design of the waste package and EBS. Discussion would include waste form characteristics, current waste package/EBS conceptual design, materials selection, and current waste package program milestones.

**Date:** TBD (at next interactions scheduling meeting)

**Place:** Lawrence Livermore National Laboratory, CA

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