



Department of Energy

Washington, DC 20585

January 4, 1994

Received 1/27/94
[Signature]

Mr. C. William Reamer, Acting Director
Repository Licensing & Quality
Assurance Project Directorate
Division of High-Level
Waste Management
Office of Nuclear Material
Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Reamer:

The Yucca Mountain Site Characterization Project (YMP) will hold a Technical Program Review (TPR) the week of February 14-18, 1993, at the Stardust Hotel in Las Vegas, Nevada. This TPR is designed to foster communication and promote understanding among the U.S. Department of Energy (DOE), the Civilian Radioactive Waste Management System Management and Operating Contractor (CRWMS M&O), project participant organizations, and principal investigators in the many YMP disciplines as to technical status, progress, and direction of the investigations and studies in the Site Characterization Plan (SCP). The U.S. Nuclear Regulatory Commission is invited to send a representative(s).

A draft agenda of the meeting is enclosed (enclosure 1). Key topics to be addressed in presentations and discussed in a round-table setting will include aspects of the following:

1. Articulation of the SCP's original testing objectives.
2. How site characterization investigations and studies have evolved as a result of technological changes and the insights provided by new data.
3. Where is the program now positioned with respect to the data needed to assess site suitability.
4. When will the program be technologically capable of completing acquisition of the characterization data needed to make regulatory compliance arguments, and what residual uncertainties are there likely to be.
5. What inputs are being/are to be supplied for compliance assessment through physical system and total-system performance modeling.

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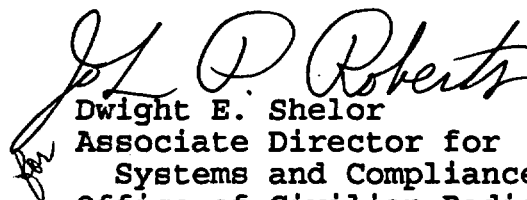
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The TPR will be held in Salons 7-12 of the Stardust Hotel. Two hundred rooms have been reserved for out-of-town participants. One set of rooms is available for \$48 per night and one set for \$63 (8 percent tax will be added to both).

Participants should make reservations directly with the Stardust Hotel at 1-800-634-6757 by January 13, 1994. Rooms are reserved under the name DOE/TPR. The Yucca Mountain Site Characterization Project Office seeks advance notification of the number of attendees; therefore, we request that the enclosed RSVP form (enclosure 2) be returned to Linda J. Evans of the CRWMS M&O by facsimile at (702) 794-5150 prior to January 21, 1994.

If you have any questions, please contact either Thomas W. Bjerstedt at (702) 794-7590 at the project office or Corinne J. Macaluso of my staff at (202) 586-2837.

Sincerely,



Dwight E. Shelor
Associate Director for
Systems and Compliance
Office of Civilian Radioactive
Waste Management

Enclosures:

Draft Agenda for TPR
RSVP Form

cc:

R. Nelson, YMPO
R. Loux, State of Nevada
W. Offutt, Nye County, NV
T. J. Hickey, Nevada Legislative Committee
D. Bechtel, Las Vegas, NV
Eureka County, NV
Lander County, Battle Mountain, NV
P. Niedzielski-Eichner, Nye County, NV
L. Bradshaw, Nye County, NV
C. Schank, Churchill County, NV
F. Mariani, White Pine County, NV
V. Poe, Mineral County, NV
J. Pitts, Lincoln County, NV
J. Hayes, Esmeralda County, NV
B. Mettam, Inyo County, CA
M. Steindler, ACNW

DRAFT AGENDA

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

DOE TECHNICAL PROGRAM REVIEW

February 14-18, 1994

Stardust Hotel

Las Vegas, Nevada

Monday, February 14, 1994

8:00 a.m.	Opening Remarks	M. Blanchard (TBD)
8:15	Introduction for 1.2.3 and 1.2.3.2, Geology	R. Dyer
8:30	1.2.3.2.2, Rock Characteristics (Geologic Framework, Systematic Data Acquisition, 3-D Models)	M. Tynan
10:00	BREAK	
10:15	1.2.3.2.3, Erosion	T. Bjerstedt
10:45	1.2.3.2.5, Volcanism and Post-Closure Tectonics	J. Nesbit, T. Sullivan
12:00 p.m.	LUNCH	
1:15	1.2.3.2.6, Surface Characteristics--Soil and Rock Properties	T. Sullivan
1:45	1.2.3.2.7, Thermal and Mechanical Properties	M. Tynan
2:15	1.2.3.2.8, Preclosure Tectonics	J. Nesbit, T. Sullivan
3:30	BREAK	
3:45	Discussion of 1.2.3.2	R. Dyer
4:45	ADJOURN	

ENCLOSURE /

Tuesday, February 15, 1994

8:00 a.m.	Opening Remarks	M. Blanchard
8:05	Introduction for 1.2.3.3, Hydrology	C. Newbury
8:15	1.2.3.3.1.1, Description of Regional Hydrologic System	C. Newbury
8:45	1.2.3.3.1.2, Unsaturated Zone Hydrology	J. Dlugosz
10:00	BREAK	
10:15	1.2.3.3.1.3, Saturated Zone Hydrology	R. Patterson
11:15	Discussion of 1.2.3.3	R. Dyer
11:45	LUNCH	
1:00 p.m.	1.2.3.6, Climatology	R. Crawley
1:30	1.2.3.7, Natural Resource Potential	T. Bjerstedt
2:00	1.2.3.11, Geophysics	M. Tynan
2:30	Discussion of 1.2.3.6, 1.2.3.7 and 1.2.3.11	R. Dyer
2:45	BREAK	
3:00	Introduction to Mineral Petrology and Geochemistry	A. Simmons
3:05	1.2.3.2.1, Mineralogy and Petrology	A. Simmons
4:00	1.2.3.4, Geochemistry	A. Simmons
5:00	1.2.3.10, Altered Zone	
5:30	Discussion of 1.2.3.2.1, 1.2.3.4 and 1.2.3.10	
6:00	ADJOURN	

Wednesday, February 16, 1994

8:00 a.m.	Opening Remarks	M. Blanchard
8:05	Introduction to 1.2.2, 1.2.4, and 1.2.6	W. Simecka
8:15	1.2.4 Repository Design	D. Stucker
9:00	1.2.2.2, Waste Package Environment	D. Stucker
9:45	1.2.2.3, Waste Package Materials Testing	D. Stucker
10:15	Discussion of 1.2.2	
10:30	BREAK	
10:45	1.2.4.2.1, Rock Mechanics	J. White
11:30	1.2.4.2.3, Design Analysis and Certification	J. White
12:00 p.m.	LUNCH	
1:15	1.2.4.6, Sealing	J. White
2:00	Discussion of 1.2.4	
2:15	1.2.6, ESF Design and Discussion	TBD
3:00	BREAK	
3:15	Introduction to 1.2.5	S. Jones or J. Boak
3:20	1.2.5.4, Performance Assessment	E. Smistad
4:45	Discussion of 1.2.5.4	
5:15	ADJOURN	

Thursday, February 17, 1994

8:00 a.m.	Opening Remarks	
8:05	1.2.5.3, Technical Data Management	A. Simmons
8:35	1.2.5.2, Licensing	A. Gil
9:50	Discussion of 1.2.5.3 and 1.2.5.2	
10:05	BREAK	
10:20	1.2.1, Systems Studies	D. Royer
12:15 p.m.	LUNCH	
1:30	Discussion of 1.2.1	
1:45	1.2.13, Environmental Studies	W. Dixon
2:45	Discussion of 1.2.13	
3:00	BREAK	
3:15	1.2.14, Transportation Studies	TBD
4:15	Discussion of 1.2.14	
4:30	ADJOURN	

Friday, February 18, 1994

8:00 a.m.	Opening Remarks	M. Blanchard
8:05	Panel Discussion Involving TPO's and DD's:	
	- J. A. Canepa	
	- W. L. Clarke	
	- W. R. Dixon	
	- J. R. Dyer	
	- L. D. Foust	
	- L. R. Hayes	
	- W. C. Kopatich	
	- R. F. Pritchett	
	- L. E. Shephard	
	- W. B. Simecka	
	- M. D. Voegele	
10:20	BREAK	
10:35	Panel Discussion continues	
11:20	Final Discussion	
12:00	ADJOURN	

**DEPARTMENT OF ENERGY
TECHNICAL PROGRAM REVIEW
FEBRUARY 14-18, 1994
STARDUST CONVENTION CENTER**

Please Fax this form by Monday, February 7, 1994 to:

Linda Evans at: (702) 794-5150 or (702) 794-1914

_____ Yes, I will be attending

_____ No, I will not be attending

Name (please print) _____

Title _____

Organization _____

Phone _____

In addition, I will be bringing:

Name (please print) _____

Title _____

Organization _____

Phone _____

and

Name (please print) _____

Title _____

Organization _____

Phone _____