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UPDATED AGENDA FOR U.S. NUCLEAR REGULATORY COMMISSION/U.S. DEPARTMENT OF ENERGY TECHNICAL MEETING ON ALTERNATE CONCEPTUAL MODELS OF THE GROUNDWATER SYSTEM AT THE YUCCA MOUNTAIN SITE

As you know, the subject technical meeting is scheduled to be held at the Aladdin Hotel on April 11-14, 1988. We are enclosing the most recently revised agenda (dated April 5, 1988) for your information. The revisions to the agenda may be of interest to you for planning purposes.

Please contact Maxwell B. Blanchard of my office at (702) 295-8939 or Mary Lou Brown of Science Applications International Corporation at 295-8658 if you have any questions.

for Carl P. Gertz, Project Manager
Waste Management Project Office

WMPO:MBB-1751

Enclosure
Revised Agenda for NRC/DOE Technical Meeting

cc w/encl:
S. H. Kale, HQ (RW-20) FORS
Ralph Stein, HQ (RW-23) FORS
E. P. Reginer, HQ (RW-242) FORS
S. J. Brocoum, HQ (RW-233) FORS
C. M. Smith, HQ (RW-42) FORS
Allen Benson, HQ (RW-252) FORS
Robert Browning, NRC, Washington, DC
S. M. Volek, SAIC, Las Vegas, NV
M. D. Voegele, SAIC, Las Vegas, NV
M. A. Glora, SAIC, Las Vegas, NV
M. L. Brown, SAIC, Las Vegas, NV
C. L. West, OEA, NV
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April 5, 1988

DOE-NRC TECHNICAL MEETING

ALTERNATIVE CONCEPTUAL MODELS OF THE GROUNDWATER SYSTEM

YUCCA MOUNTAIN

AGENDA

Meeting purpose is to consider different conceptual models of the groundwater system, including geologic, tectonic, hydrologic, geochemical, and climatologic influences in the Yucca Mountain region. This is to promote open discussion about similarities, differences, and compatibilities of the various conceptual models. Using such information, the DOE will be able to ensure that the SCP contains plans for data collection sufficient to evaluate alternative models. Each presentation of a conceptual model should include the following six items:

- o Assumptions supporting the model
- o Physical processes and disruptive events incorporated in the model
- o Boundary conditions
- o Available data supporting the model
- o Additional data needed to refine the model and testing proposed to gather the additional data (surface-based/ESF)
- o Analyses to be performed to evaluate the data and the conceptual model

Day 1

9:00 - 9:20	DOE Introductory Remarks	
	Purpose and Scope Background	R. Stein, DOE/HQ M. Blanchard, DOE/NV
9:20 - 9:30	State of Nevada Introductory Remarks	R. Loux, State of NV
9:30 - 11:00	NRC Introductory Remarks and Summary of SCP-CD Concerns Relevant to Conceptual Models	
11:00 - 11:30	DOE Response	
11:30 - 1:00	Lunch	
1:00 - 4:00	DOE Conceptual Model	
1:00 - 1:10	Introduction	M. Blanchard, DOE/NV
1:10 - 2:45	The Hydrologic Setting o Include the 6 items identified above	W. Wilson, USGS
2:45 - 3:15	Clarifying questions and commentary from participants	

ENCLOSURE

3:15 - 3:30	Break	
3:30 - 4:30	Translation to numerical models for performance assessment o Include the 6 items identified above	S. Sinnock, SNL
4:30 - 5:00	Clarifying questions and commentary from participants	
Day 2	Presentations of other conceptual models: (Presenters to be arranged)	
1 to 3 hrs for each presenter	Description of Alternative Conceptual Model o Include the 6 items identified above	
15 to 30 min.	Clarifying Questions from Participants on Description of Conceptual Model	
Day 3		
8:00 - 10:30	Moderator-led Open Discussion of Similarities and Differences Among the Various Conceptual Models o Extent to which the alternative conceptual models incorporate the same physical processes and disruptive events and where they differ o Extent to which the alternative conceptual models employ the same underlying assumptions and where they differ o Extent to which the alternative conceptual models have similar initial fixed and variable boundary conditions and where they differ o Extent to which the alternative conceptual models have similar information needs and where they differ o Implication of models on ground water travel time and radionuclide transport	
10:30 - 11:00	Caucus/Break	
11:00 - 12:00	View of Each Participating Organization presented by a Spokesperson from Each Organization	
12:00 - 1:00	Lunch	

1:00 - 3:00	Moderator-led Open Discussion on Sufficiency of Data Collection Plans in SCP-CD (DOE to provide brief summary/overview of related topics from SCP-CD) o Extent to which the surface-based testing information needs are similar and where they differ o Extent to which the ESF testing information needs are similar and where they differ
3:00 - 3:30	Break
3:30 - 5:00	Discussion on Sufficiency of Data (continued)
5:00 - 5:30	Caucus for Day 4 Wrap-up Statements

Day 4

8:00 - 9:00	DOE Statement: Discussion Relevant to Szymanski's Draft Report; Wrap-up Statement on Alternative Conceptual Models
9:00 - 9:30	NRC Wrap-up Statement on Alternative Conceptual Models
9:30 - 10:00	State Wrap-up Statement on Alternative Conceptual Models
10:00 - 12:00	Preparation of Draft Meeting Summary
12:00 - 1:00	Lunch
1:00 - 5:00	Discussion and Finalization of Meeting Summary