

Memorandum to C. W. Reamer from dated: December 4, 2000

cc:

R. Loux, State of Nevada	B. Duke, Lander County, NV
S. Frishman, State of Nevada	R. Massey, Lander County, NV
L. Barrett, DOE/Washington, DC	J. Pitts, Lincoln County, NV
A. Brownstein, DOE/Washington, DC	M. Baughman, Lincoln County, NV
S. Hanauer, DOE/Washington, DC	J. Wallis, Mineral County, NV
C. Einberg, DOE/Washington, DC	J. Shankle, Mineral County, NV
J. Carlson, DOE/Washington, DC	L. Bradshaw, Nye County, NV
N. Slater, DOE/Washington, DC	M. Murphy, Nye County, NV
A. Gil, YMPO	J. McKnight, Nye County, NV
R. Dyer, YMPO	D. Weigel, GAO
S. Brocoum, YMPO	W. Barnard, NWTRB
R. Clark, YMPO	R. Holden, NCAI
S. Mellington, YMPO	A. Collins, NIEC
C. Hanlon, YMPO	R. Arnold, Pahrump County, NV
T. Gunter, YMPO	J. Larson, White Pine County
G. Dials, M&O	R. Clark, EPA
J. Bailey, M&O	F. Marcinowski, EPA
D. Wilkins, M&O	R. Anderson, NEI
M. Voegele, M&O	R. McCullum, NEI
S. Echols, Winston & Strawn	S. Kraft, NEI
B. Price, Nevada Legislative Committee	J. Kessler, EPRI
J. Meder, Nevada Legislative Counsel Bureau	D. Duncan, USGS
D. Bechtel, Clark County, NV	R. Craig, USGS
E. von Tiesenhausen, Clark County, NV	W. Booth, Engineering Svcs, LTD
A. Kalt, Churchill County, NV	J. Curtiss, Winston & Strawn
G. McCorkell, Esmeralda County, NV	S. Besser, NV Congressional Delegation
L. Fiorenzi, Eureka County, NV	N. Rice, NV Congressional Delegation
A. Johnson, Eureka County, NV	T. Story, NV Congressional Delegation
A. Remus, Inyo County, CA	J. Reynoldson, NV Congressional Delegation
	J. Pegues, City of Las Vegas, NV

**DRAFT AGENDA
DOE/NRC TECHNICAL EXCHANGE
TOTAL SYSTEM PERFORMANCE ASSESSMENTS
– SITE RECOMMENDATION BRIEFING
December 19, 2000
8:00 a.m. - 5:30 p.m. (PT)/11:00 a.m. - 8:30 p.m. (ET)
Atrium Room
1551 Hillshire Drive
Las Vegas, Nevada**

Via Video Conference:

**NRC Headquarters
Room T2B3
11545 Rockville Pike
Rockville, MD 20852**

and

**490 L'Enfant, SW (RSIS)
Suite 7200
Washington, DC 20024**

INTERESTED PARTIES CAN PARTICIPATE IN THE DECEMBER 12, 2000, AGENDA-SETTING TELECON BY CALLING 702-285-6080.

OBJECTIVES:

For the U.S. Department of Energy (DOE) to present the results of its Total System Performance Assessment - Site Recommendation (TSPA-SR) analyses to the U.S. Nuclear Regulatory Commission (NRC). The DOE will describe the results of the TSPA-SR (including sensitivity, uncertainty, and importance analyses), discuss DOE insights into repository performance based on their analyses, and identify important features, processes, parameters, assumptions, and modeling simplifications. The Technical Exchange will be used to support the NRC's sufficiency review.

TUESDAY – December 19, 2000

8:00	Introduction/Objectives/Logistics (15 minutes) <ul style="list-style-type: none">· Objectives of the Technical Exchange	DOE/NRC
8:15	Overall TSPA-SR Results (45 minutes) <ul style="list-style-type: none">· Introduction to TSPA-SR· Nominal scenario· Igneous scenario· Human Intrusion scenario	McNeish Andrews
9:00	Subsystem Analyses for Nominal Performance (1 hour) <ul style="list-style-type: none">· Review of component linkage· Summary of major inputs for each component· Detailed results	Wilson
10:00	BREAK (15 minutes)	
10:15	Igneous Activity Analyses (30 minutes)	Swift
10:45	Human Intrusion Analyses (30 minutes)	Freeze
11:15	Discussion (30 minutes)	DOE/NRC
11:45	LUNCH (1 hour)	

12:45	System-level Uncertainty Importance Analysis (30 minutes)	DOE
	· Regression analysis results	
1:15	Sensitivity Analyses (120 minutes)	Andrews Wilson/Gauthier
	· Identification of Barriers	
	· Degraded Barrier Analysis	
	- Unsaturated Zone Flow	
	- Engineered Barrier System Environments	
	- Waste Package and Drip Shield Degradation	
	- Waste Form Degradation	
	- Engineered Barrier System Transport	
	- Unsaturated Zone Transport	
	- Saturated Zone Flow and Transport	
	- Biosphere	
	· Barrier Neutralization Analyses	
	(Sensitivity analyses for Igneous Activity and Human Intrusion will be covered in the AM presentations)	
2:15	BREAK (15 minutes)	
2:30	Sensitivity Analyses (continued from above)	DOE
3:30	Current Status of the NRC TPA Code (30 minutes)	NRC
4:00	Discussion: Overall Performance, Importance Analysis, and Sensitivity Analysis (1 hour)	DOE/NRC
5:00	Public Comment (15 minutes)	
5:15	Closing Remarks (15 minutes)	DOE/NRC
5:30	Adjourn	