



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

July 8, 1997

MEMORANDUM TO: Michael J. Bell, Acting Chief
Performance Assessment and High-Level
Waste Integration Branch
Division of Waste Management

FROM: Michael P. Lee, Systems Analyst
Performance Assessment and High-Level
Waste Integration Branch
Division of Waste Management

SUBJECT: FORTHCOMING U.S. DEPARTMENT OF ENERGY (DOE)/U.S.
NUCLEAR REGULATORY COMMISSION (NRC) TECHNICAL
EXCHANGE (INCLUDING VIDEOCONFERENCE)

DATE & TIME: July 21-22, 1997
8:00 a.m. — 6:00 p.m. (CST)

LOCATIONS: Center for Nuclear Waste Regulatory Analyses
6220 Culebra Road, Bldg. 189
San Antonio, TX 78238

NRC Headquarters — Two White Flint North
11555 Rockville Pike, Room T-2B3 (videoconference room)
Rockville, Maryland 20852

PURPOSE: Technical exchange to discuss DOE's plans and methodology
for conducting a total-system performance assessment in
support of its forthcoming Viability Assessment. Also
discussed will be the status of NRC efforts to develop its
independent performance assessment capability. (See attached
agenda.)

PARTICIPANTS: **NRC** **DOE** **State of Nevada**
T. McCartin *et al.* A. van Luik *et al.* S. Frishman *et al.*

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CONTACT: M. Lee/DWM
(301) 415-6677



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Meetings and technical exchanges between NRC and DOE are open to members of the public and other interested parties wishing to attend as observers, pursuant to the spirit of the "Open Meeting Statement of NRC Staff Policy" (59 FR 48340, dated September 20, 1994) which details the open meeting policy for applicants.

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PROPOSED AGENDA
DOE/NRC Technical Exchange on
Total System Performance Assessments (TSPA) for Yucca Mountain

July 21-22, 1997
8:00am - 6:00 pm (CST)

Location:
Center for Nuclear Waste Regulatory Analyses
SouthWest Research Institute Campus
6220 Culebra Road, Bldg. 189
San Antonio, TX 78238

Agenda Item

Discussion Lead(s)

Monday, July 21, 1997

Opening Remarks	NRC, DOE, State, and Local Governments
NRC Review Philosophy for TSPA-Viability Assessment (VA)	NRC
Overview of DOE's TSPA-VA Plan and TSPA Methodology	DOE
Overview of NRC's TSPA Methodology	NRC
Update of the action items identified in the May 1996 TSPA Technical Exchange	NRC/DOE
Saturated Zone Flow and Transport Abstraction	NRC/DOE
Unsaturated Zone Flow and Transport Abstraction	NRC/DOE
Disruptive Events Abstraction (probability and consequences)	NRC/DOE
Working Group Discussion and Summaries	NRC/DOE

Tuesday, July 22, 1997

Reference Design for TSPA-VA	DOE
Engineered Barrier System Abstraction and Analyses	NRC/DOE
Individual Dose Calculation	NRC/DOE
Overview of NRC's Sensitivity Analysis Plan	NRC
Working Group Discussion and Summaries	NRC/DOE
Closing Remarks	All

Southwest Research Institute

6220 Culebra Road San Antonio, Texas

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