SUMMARY OF NRC-DOE TECHNICAL EXCHANGE ON TECTONICS September 26, 1989 Forrestal Building, Washington, D. C.

Agenda: See Attachment 1

List of Attendees: See Attachment 2

Summary:

On September 26, 1989, staff members from the U. S. Nuclear Regulatory Commission (NRC) and the U. S. Department of Energy (DOE) conducted a technical exchange of information regarding tectonic models. One of the objectives of the technical exchange was to discuss DOE's draft comments on NRC's draft Technical Position on tectonic models that were sent to NRC in a September 20, 1989 letter. Another objective was to discuss other topics important to tectonic models as listed on Attachment 1. These discussions also addressed the definition of terms such as tectonic models, anticipated processes and events and unanticipated processes and events, deterministic and probabilistic methods, and conservatism. While the State of Nevada participated in preparing the agenda for this technical exchange, no representatives were able to attend the technical exchange.

Both NRC and DOE concluded that the discussions facilitated DOE's understanding of NRC's draft Technical Position on tectonic models, NRC staff's understanding of DOE's draft comments on the draft Technical Position, and mutual understanding of each others preliminary staff views on the specific topics discussed. Finally, ideas were exchanged for the next technical exchange on tectonics in October. DOE suggested that the schedule for the technical exchange be changed to October 21, 1989 through November 2, 1989 to allow for participation by the U. S. Geological Survey.

Robert L. Johnson, Sr. Project Manager Repository Licensing and Quality Assurance Project Directorate Division of High-Level Waste Management U. S. Nuclear Regulatory Commission

H. Rossi 11/16/87

Steven H. Rossi Licensing Branch Office of Civilian Radioactive Waste Management U. S. Department of Energy

DRAFT AGENDA

Tectonics Technical Exchange

September 26, 1989 - Forrestal Bldg., Wash. D.C., Rm. GH027, 8:30 am to 5:00 pm

Agenda Items for Morning of September 26, 1989

Opening Remarks (DOE/NRC/State)

Discussion of NRC's Draft Technical Position on Tectonic Models

DOE Comments

· · ·

State Comments

NRC Response

Agenda Items for Afternoon of September 26, 19
--

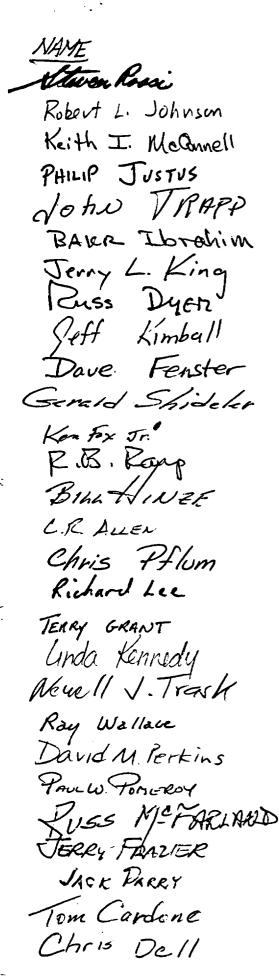
Tectonic Model Strategy - Technical Perspective

Technical Topics Related to Tectonic Models (DOE/NRC/State)

- 1. Adequacy of DOE Date Collection Program (Scope, Completeness, Focused Program)
- 2. Use of Tectonic Models to Integrate Data
- 3. Types of Data to be Considered in Tectonic Model Development
- 4. Use of Probabilistic Techniques to Evaluate Tectonic Models

Litomics Declinical & large-

Attachment 2



• • •

REPRESENTING DOE / HQ NRC/ HLPD WRC/HLGP U.S.NRC/HLOP Geology-Geoflysio 17 C SAIC DGE/Ym? DOE HA DOE/HQ- Weston USGS Geol. Div. USES / Gal. Dir. USES / Ger Div ACOW NUTRB + BRWM SAIL SAIC SAIC Newman # Holtainger KSGS USGS-HQ DOE-HQ USGS-Geologic Division ACNW-NRC CONSULTANT NWTRB SAIC ACNW - STR FF NRCHLGP

Weston / UErc

<u>Phone</u> **202-586-9433** 301-492-0409 301-492-0582 301-492-0582 301-492-0509 301-492-0523 702-794-7648 702-794-7648 702-794-7586 37-586-1063 202-646-6647 FTS:776-1258 FTS-776-1258 FTS-776-1272

518-356-6904 F75 544-7659 FTS 544-7134 FTS 544-7647 999-6600 FT5959-5719 (202) 586-1244 F75 776-1616 (919) 687-9150 212/254-4792 702-794-7624 301 - 492 - 8972 3.1-492-1.528 207 - 646 - 074/

Tectonic Models Tachnical Positical Tech. Ex.

NANE

, • • •

ROPRESENTING

Phone I

Phyllis Sobel Charlotte Albrans Philip Berger Ruth Weiner

JOHN LINENAN STEVE OSTON Gordon Appel BRUCE HURLEY R. B. NEEL LYNN TYLER

:

Weston Nec DO= -EH CNWEA

NRC THSC/EPRI DOE-HQ/RW-331 SAIC /TEMSS SPS/ HLOP/HLWM forc DOE-HG/RIL 20

202-646-6614 (301) 492 0512 301 412-4000 703-979-9129 301-492-3207 617-942-2000 586-1462 [FTS-594-7 (702) 794-7630 (301) 492-0448 586-9247