



UNITED STATES
NUCLEAR WASTE TECHNICAL REVIEW BOARD
2300 Clarendon Boulevard, Suite 1300
Arlington, VA 22201

Agenda
Meeting of the Panel on Structural Geology & Geoengineering
Probabilistic Seismic and Volcanic Hazard Estimation

March 8-9, 1994

**Holiday Inn Crowne Plaza
San Francisco Airport
600 Airport Blvd.
Burlingame, CA 94010
Tel: (415) 340-8500
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Tuesday, March 8, 1994

- 8:30 A.M.** **Opening remarks**
Clarence Allen
Nuclear Waste Technical Review Board (NWTRB)
- 8:40 A.M.** **Update on seismic investigations**
[John Whitney](#)
U.S. Geologic Survey (USGS)
- 9:15 A.M.** **Update on volcanic investigations**
[Frank Perry](#)
Los Alamos National Laboratory (LANL)
- 10:00 A.M.** **Integrated structural model of the Yucca Mountain region**
[Chris Fridrich](#), USGS
- 10:25 A.M.** **BREAK (15 minutes)**
- 10:30 A.M.** **General comments on probabilistic approaches**
[C. Allin Cornell](#)
Stanford University
- 11:30 A.M.** **Systems perspectives**
[Robert Budnitz](#)
Future Resources Associates
- 12:00 P.M.** **LUNCH**

Tuesday, March 8 - Continued

- 1:30 P.M.** **Department of Energy (DOE) topical report on seismic hazard**
[Richard Quittmayer](#)
Woodward-Clyde
- 2:15 P.M.** **Use of probabilistic seismic hazard assessment (PSHA) in the Yucca Mountain program**
[Tim Sullivan](#), DOE
- 2:40 P.M.** **PSHA case histories**
[Kevin Coppersmith](#)
Geomatrix
- 3:10 P.M.** **Comments by the Nuclear Regulatory Commission (NRC)**
[Keith McConnell](#), NRC
- 3:30 P.M.** **BREAK (15 minutes)**
- 3:45 P.M.** **Comments from the state of Nevada**
[David Tillson](#)
Agency for Nuclear Projects
- 3:50 P.M.** **How good is PSHA?**
Steve Wesnousky
University of Nevada — Reno
- 4:40 P.M.** **How good is PSHA?**
[Paul Pomeroy](#)
Advisory Committee on Nuclear Waste
- 5:05 P.M.** **General comments on PSHA**
[Keiiti Aki](#)
University of Southern California
- 5:30 P.M.** **Recess until Wednesday**

Wednesday, March 9, 1994

- 8:30 A.M.** **LANL report on volcanic hazard at Yucca Mountain**
[Bruce Crowe](#), LANL
- 9:30 A.M.** **Use of probabilistic volcanic hazard assessment (PVHA)**
in the Yucca Mountain program
[Jeanne Nesbit](#), DOE
- 9:50 A.M.** **Comments by the NRC**
[Keith McConnell](#), NRC
- 10:10 A.M.** **BREAK (15 minutes)**
- 10:25 A.M.** **Models of volcanic hazard at Yucca Mountain**
[Charles Connor](#)
Center for Nuclear Waste Regulatory Analyses
- 11:00 A.M.** **Comments by the state of Nevada**
David Tillson
Agency for Nuclear Projects
- 11:20 A.M.** **Alternate geologic models: their significance with**
respect to the calculation of volcanic hazard at Yucca
Mountain
[Eugene Smith and C.H. Ho](#)
University of Nevada — Las Vegas
- 12:00 P.M.** **LUNCH**
- 1:15 P.M.** **Sensitivity studies on volcanic hazard at Yucca**
Mountain
[Peter Wallmann](#)
Golder Associates
- 1:40 P.M.** **General comments on PVHA**
[Michael Sheridan](#)
State University of New York — Buffalo
- 2:30 P.M.** **Round-table discussion**
Participants
- 4:00 P.M.** **Closing remarks**
Clarence Allen, NWTRB