



U.S. Nuclear Waste Technical Review Board

Presented to:

Workshop on Siting of Radioactive Waste Facilities

Presented By:

Dr. Nathan Siu, Chair

Board Members

- ❖ Nathan Siu, Ph.D., Chair U.S. Nuclear Regulatory Commission (retired)
- ❖ Ronald Ballinger, Sc.D. Massachusetts Institute of Technology
- ❖ Steven M. Becker, Ph.D. Old Dominion University
- Allen G. Croff, Graduate Nuclear Engineer, MBA Vanderbilt University
- ❖ Tissa H. Illangasekare, Ph.D., P.E. Colorado School of Mines
- ❖ Kenneth Lee Peddicord, Ph.D. , P.E. Texas A&M University
- ❖ Paul J. Turinsky, Ph.D. North Carolina State University
- Scott Tyler, Ph.D., Deputy Chair University of Nevada, Reno
- Brian Woods, Ph.D. Oregon State University
- (Other positions vacant)



About the Board



The U.S. Nuclear Waste Technical Review Board (Board) was established by Congress as an independent federal agency in the 1987 amendments to the Nuclear Waste Policy Act (NWPAA)





Board Member Appointment



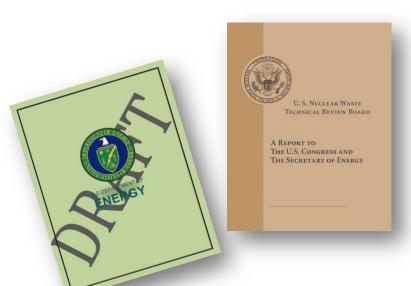
NATIONAL ACADEMY
OF SCIENCES





- At full strength, the Board is composed of eleven members
- Board members are nominated by the National Academy of Sciences and appointed by the President to four-year terms
- Terms are staggered, and Board members may continue to serve until they are reappointed or replaced

About the Board





The Board:

- Conducts independent and objective peer review of U.S. Department of Energy (DOE) activities
- Reports its findings, conclusions, and recommendations to the U.S.
 Congress and the Secretary of Energy
- By law, has access to draft DOE documents—according to the Legislative History of the NWPAA, so that Board recommendations can be made during decision-making, not after the fact
- Provides congressional testimony at the invitation of Congress



About the Board (cont.)



- Holds public meetings each year, normally in different locations in the United States—meetings are webcast
- Provides technical and scientific comments in letters or reports to DOE following public meetings
- Makes all official documents and information (meeting transcripts, archived webcasts, and presentations; reports, correspondence, and congressional testimony) available on its website: www.nwtrb.gov

Workshop Information

- Workshop agenda, presentations, and an acronym list are available at www.nwtrb.gov
- Public comment period (at the end of the day)
 - Oral commenters encouraged to sign the public comment register
 - Depending on the number of speakers, a time limit on individual remarks may be set
 - Virtual commenters
 - Use "Comment for the Record"
 - Comments submitted online during the workshop will be posted to the Board's website shortly after workshop adjournment
- The workshop is being webcast live and recorded (the transcript and archived recording of the meeting will be available www.nwtrb.gov)

Workshop Objectives

- Obtain information that may be applicable to DOE's efforts to develop one or more federal interim storage facilities for commercial spent nuclear fuel, using a consent-based siting process
- Support the Board's evaluation of the scientific and technical validity of DOE's activities

CONSENT-BASED SITING ROADMAP

The U.S. Department of Energy is pursuing one or more federal consolidated interim storage facilities to store the nation's commercial spent nuclear fuel in the near-term using a multi-stage consent-based approach that puts communities' interests at the forefront.









Workshop Agenda

8:15 a.m. MDT Workshop Objectives and Board Perspectives on Siting of

Radioactive Waste Facilities

Bret Leslie, Board staff

8:20 a.m. MDT Introduction to DOE's Consent-Based Approach to Siting One or

More Federal Consolidated Interim Storage Facilities

Natalia Saraeva, DOE, Office of Nuclear Energy (DOE-NE)

8:25 a.m. MDT Siting of a Geologic Repository in Canada

Lisa Frizzell, Nuclear Waste Management Organization, Canada

9:00 a.m. MDT Siting of a Geologic Repository in Sweden

Saida Engström, Sweden

9:40 a.m. MDT Break

9:50 a.m. MDT Siting of a Geologic Repository in Switzerland

Piet Zuidema, Zuidema Consult GmbH, Switzerland



Workshop Agenda (continued)

10:30 a.m. MDT United States Past Siting Experience, Focused on Monitored Retrievable Storage and the Nuclear Waste Negotiator

Daniel Bullen, Defense Nuclear Facilities Safety Board (DNFSB) staff

11:10 a.m. MDT Facilitated Panel Discussion

Panelists: Piet Zuidema (Zuidema Consult GmbH, Switzerland), Saida Engström (Sweden), and Daniel Bullen (DNFSB, United States) Facilitator: Bret Leslie (Board staff)

11:55 a.m. MDT Lunch Break

12:55 p.m. MDT Incorporating International Siting Best Practices and Lessons
Learned
Natalia Saraeva and Angelica Gheen, DOE-NE

1:55 p.m. MDT Incorporating Domestic Siting Best Practices and Lessons Learned

Natalia Saraeva and Angelica Gheen, DOE-NE



Workshop Agenda (continued)

2:45 p.m. MDT Break

2:55 p.m. MDT Using Best Practices and Lessons Learned in Environmental Justice

Marissa Bell (DOE-NE)

3:45 p.m. MDT Closing Facilitated Panel Discussion on All Workshop Topics

Panelists: Piet Zuidema (Zuidema Consult GmbH, Switzerland), Saida Engström (Sweden), Daniel Bullen (DNFSB, United States),

Natalia Saraeva, Marissa Bell, and Juan Uribe (DOE-NE)

Facilitator: *Bret Leslie* (Board staff)

4:45 p.m. MDT Public Comments

5:00 p.m. MDT Adjournment of Workshop and Begin Open House

5:30 p.m. MDT End of Open House

