



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
ADVISORY COMMITTEE ON NUCLEAR WASTE  
WASHINGTON, DC 20555 - 0001

July 7, 2004

**AGENDA**  
**152<sup>nd</sup> ACNW MEETING**  
**JULY 20-22, 2004**

**TUESDAY, JULY 20, 2004, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH,  
ROCKVILLE, MARYLAND**

- 1) 10:00 - 10:10 A.M. Opening Statement (Open) (BJG/JTL)  
The Chairman will open the meeting with brief opening remarks, outline the topics to be discussed, and indicate items of interest.
- 2) 10:10 - 11:30 A.M. Package Performance Study (PPS) (Open) (RFW/RKM)  
The Committee will receive a report from representatives of the NRC staff on the proposed package performance study which will demonstrate the resistance to impact and fire of a spent nuclear fuel rail shipping cask.
- 11:30 - 11:45 A.M. \*\*\*BREAK\*\*\***
- 3) 11:45 - 12:45 P.M. License Termination Rule (LTR) Analysis of the Use of Intentional Mixing of Contaminated Soil (Open) (RFW/MTR/HJL)  
The Committee will hear from a representative of the NRC staff regarding SECY-04-0035 - the LTR analysis of the use of intentional mixing of contaminated soil.
- 12:45 - 1:45 P.M. \*\*\*LUNCH\*\*\***
- 4) 1:45 - 2:45 P.M. Risk-Informing Yucca Mountain Inspection System (Open) (BJG/RKM)  
The Committee will hear from a representative of the NRC staff regarding the status of plans to risk-inform the inspection system at Yucca Mountain.
- 5) 2:45 - 3:15 P.M. Japan Trip (Open) (BJG/RKM/NMC)  
The Committee will be briefed by a Japanese exchange engineer on its August 2004 visit to Japanese waste management facilities. Member presentations during the visit will be discussed.
- 6) 3:15 - 5:00 P.M. Preparation of ACNW Reports (Open) (All)  
The Committee will discuss potential reports on:
  - 6.1) Geosphere Transport Working Group (GMH/NMC)
  - 6.2) Treatment of Uncertainties in Hydrologic Models (GMH/NMC)
  - 6.3) License Termination Rule Analysis of Use of Intentional Mixing of Contaminated Soil (RFW/MTR/HJL)

- 6.4) Risk-Informing Yucca Mountain Inspection System (BJG/RKM) (tentative)
- 6.5) Package Performance Study (RFW/RKM)

**5:00 - 5:15 P.M. \*\*\*BREAK\*\*\***

- 7) 5:15 - 6:30 P.M. Preparation for Meeting with the NRC Commissioners (Open) (BJG/JTL)  
The next meeting with the NRC Commissioners is scheduled to be held at 10:00 a.m. in the Commissioners' Conference Room, One White Flint North on July 21, 2004. The Committee will review its presentations.

**WEDNESDAY, JULY 21, 2004, CONFERENCE ROOM T- 2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 8) 8:30 - 8:35 A.M. Opening Remarks by the ACNW Chairman (BJG/HJL)  
The Chairman will make opening remarks regarding the conduct of today's sessions.
- 9) 8:35 - 9:15 A.M. Preparation for Meeting with the NRC Commissioners (continued) (Open) (BJG, et.al/JTL, et.al)  
Discussion of the following topics scheduled for the Committee meeting with the NRC Commissioners:
- a) Overview (BJG)
  - b) Risk Insights Activities (BJG)
  - c) ACNW Working Group Sessions
    - Biosphere (MTR)
    - Geosphere (GMH)
  - d) Other Committee Activities
    - NRC/CNWRA Research (RFW)
    - West Valley Site (MTR)
  - e) Closing Comments (BJG)

**9:15 - 9:30 A.M. \*\*\*BREAK\*\*\***

- 10) 9:30 - 11:30 A.M. Meeting with the NRC Commissioners, Commissioners' Conference Room, One White Flint North (Open) (BJG, et.al/JTL, et.al)  
Meeting with the NRC Commissioners to discuss the topics listed under item 9.

**11:30 - 1:00 P.M. \*\*\*LUNCH\*\*\***

- 11) 1:00 - 2:15 P.M. Integrated Safety Assessment (ISA) Background Briefing (Open) (BJG/SAS)  
The Committee will receive a background briefing by a member of its staff on the general ISA approach, examples of its use and lessons learned thus far.

- 12) 2:15 - 3:15 P.M. Health Physics (HP) Issues (Open) (MTR/NMC)  
The Committee will hear from a representative of the NRC staff regarding activities for the ICRP recommendations review, and an overview of those recommendations.

**3:15 - 3:30 P.M. \*\*\*BREAK\*\*\***

- 13) 3:30 - 4:00 P.M. Site Visit and Igneous Activity Working Group (Open) (BJG/MPL)  
The Committee will finalize its proposed activities for the September Nevada field trip and the agenda for the Working Group in Las Vegas, NV during the 153<sup>rd</sup> ACNW Meeting, September 22-24, 2004.

- 14) 4:00 - 4:30 P.M. Committee Retreat (Open/Closed) (BJG/JTL/SAS)  
The Committee will discuss personnel matters and its plans regarding technical topics it intends to examine over the next 12 to 18 months and ACNW activities and related matters as it integrates recently approved activities into its action plan. The retreat is currently scheduled for September 24, 2004.

**[NOTE: This session may be closed pursuant to 5 U.S.C. 552b (c) (2), (6) and (9) (B) to discuss organizational and personnel matters that relate solely to internal personnel rules and practices of the ACNW; information the release of which would constitute a clearly unwarranted invasion of personal privacy; and information the premature disclosure of which would be likely to significantly frustrate implementation of a proposed agency action.]**

**4:30 - 4:45 P.M. \*\*\*BREAK\*\*\***

- 15) 4:45 - 6:30 P.M. Preparation of ACNW Reports (Open) (All)  
The Committee will discuss potential reports on:
- 15.1) Geosphere Transport Working Group (GMH/NMC)
  - 15.2) Treatment of Uncertainties in Hydrologic Models (GMH/NMC)
  - 15.3) LTR Analysis of Use of Intentional Mixing of Contaminated Soil (RFW/MTR/HJL)
  - 15.4) Risk-Informing Yucca Mountain Inspection Systems (BJG/RKM) (tentative)
  - 15.5) HP Issues (MTR/NMC) (tentative)
  - 15.6) Package Performance Study (RFW/RKM)

**THURSDAY, JULY 22, 2004, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 16) 8:30 - 8:35 A.M. Opening Statement (Open) (BJG/JTL)  
The Chairman will make opening remarks regarding the conduct of today's sessions.

- 17) 8:35 - 11:45 A.M. Preparation of ACNW Reports (Open) (BJG/All)  
 The Committee will continue its discussion of potential reports:
- 17.1) Geosphere Transport Working Group (GMH/NMC)
  - 17.2) Treatment of Uncertainties in Hydrologic Models (GMH/NMC)
  - 17.3) LTR Analysis of Use of Intentional Mixing of Contaminated Soil (RFW/MTR/HJL)
  - 17.4) Risk-Informing Yucca Mountain Inspection Systems (BJG/RKM) (tentative)
  - 17.5) HP Issues (MTR/NMC) (tentative)
  - 17.6) Package Performance Study (RFW/RKM)
- 18) 11:45 - 12:00 Noon Miscellaneous (Open)  
 The Committee will discuss matters related to the conduct of Committee activities and matters and specific issues that were not completed during previous meetings, as time and availability of information permit.
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**NOTE:**

- Presentation time should not exceed 50 percent of the total time allocated for a specific item. The remaining 50 percent of the time is reserved for discussion.
- **Thirty-Five (35) hard copies and one (1) electronic copy of the presentation materials should be provided to the ACNW.**
- ACNW meeting schedules are subject to change. Presentations may be canceled or rescheduled to another day. If such a change would result in significant inconvenience or hardship, be sure to verify the schedule with Mr. Howard J. Larson at 301-415-6805 between 8:00 a.m. and 4:00 p.m. prior to the meeting.