



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
ADVISORY COMMITTEE ON NUCLEAR WASTE
WASHINGTON, D.C. 20555-0001

(Revised) March 18, 2003

**AGENDA
140th ACNW MEETING
MARCH 25-27, 2003**

**TUESDAY, MARCH 25, 2003, CONFERENCE ROOM 2B3, TWO WHITE FLINT
NORTH, ROCKVILLE, MARYLAND**

- 1) 10:00 - 10:10 A.M. Opening Statement (Open) (BJG/NMC/MPL)
The Chairman will open the meeting and turn it over to the Working Group chairman who will state the Workshop objectives and provide a session overview.

**WORKING GROUP ON NRC AND DOE PERFORMANCE ASSESSMENTS:
ASSUMPTIONS AND DIFFERENCES (Open)**

The theme of the working group will be how to achieve appropriately credible and realistic performance assessment models. While the total scope of the performance assessments will be discussed, realism of the source term work will be emphasized because it is a key driver in the performance of the proposed repository.

- 2) 10:10 - 10:50 A.M. Keynote Presentation: Realism in Simulating Long-Term Waste Package Corrosion and Source Term
- 2.1) Views on the development of a realistic source term will be presented by a distinguished expert.
- 10:50 - 11:10A.M. 2.2) Discussion
- 3) 11:10 - 11:35 A.M. Introduction to DOE's Total System Performance Assessment (TSPA) Model
- 11:10 - 11:25 A.M. Presentation by a representative from DOE
- 11:25 - 11:35 A.M. Discussion

- 4) 11:35 - 12:00 Noon Introduction to NRC's Total-System Performance Assessment (TPA)
- 11:35 - 11:50 Presentation by a representative from NRC's Office of Nuclear Material Safety and Safeguards (NMSS)/Division of Waste Management (DWM)
- 11:50 - Noon Discussion
- 12:00 - 1:00 P.M. *****LUNCH*****
- 5) 1:00 - 2:45 P.M. Overview of TSPA and TPA: Assumptions and Differences in Approach, focusing on
- Infiltration/tunnel dripping
 - Source Term
 - Near Field
 - Unsaturated Zone
 - Saturated Zone
 - Biosphere and dose
- 1:00 - 1:30 P.M. Presentation by a DOE representative
- 1:30 - 1:50 P.M. Discussion
- 1:50 - 2:20 P.M. Presentation by a representative from NRC's NMSS/DWM
- 2:20 - 2:45 P.M. Discussion
- 2:45 - 3:00 P.M. *****BREAK*****
- 6) 3:00 - 5:00 P.M. Source Term Module
- 3:00 - 3:30 P.M. TSPA presentation by a DOE representative
- 3:30 - 4:00 P.M. Discussion
- 4:00 - 4:30 P.M. TPA Presentation by a representative from NRC's NMSS/DWM
- 4:30 - 5:00 P.M. Discussion
- 7) 5:00 - 5:30 P.M. Public Comments

WEDNESDAY, MARCH 26, 2003, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

WORKING GROUP ON NRC AND DOE PERFORMANCE ASSESSMENTS: ASSUMPTIONS AND DIFFERENCES (Open) (CONTINUED)

- 8) 8:30 - 8:35 A.M. Opening Statement (GMH/NMC/HJL)
The Chairman will make opening remarks regarding the conduct of today's sessions.
- 9) 8:35 - 10:35 A.M. Simplified models of key contributors to dose traced through various modules; e.g.,
- Infiltration/tunnel dripping
 - Source Term
 - Near Field
 - Unsaturated Zone
 - Saturated Zone
 - Biosphere and dose
- 8:35 - 9:05 Presentation by a DOE representative on the key contributors as traced through various modules in TSPA
- 9:05 - 9:35 Discussion
- 9:35 - 10:05 Presentation by a representative of NRC's NMSS/DWM on the key contributors as traced through various modules in TPA
- 10:05 - 10:35 Discussion
- 10:35 - 10:50 A.M. ***** BREAK *****
- 10) 10:50 - 12:45 P.M. Presentations by representatives of the State of Nevada, Counties, Las Vegas Paiutes, and Electric Power Research Institute
- 12:45 - 1:00 P.M. ***** BREAK *****
- 11) 1:00 - 2:00 P.M. Working Group Roundtable Panel Discussion on TSPA/TPA: Assumptions and Differences
- 2 00 - 3:15 P.M. ***** LUNCH *****
- 12) 3:15 - 4:15 P.M. Committee Summary Discussion
- 4:15 - 4:30 P.M. ***** BREAK *****

- 13) 4:30 - 5:20 P.M. Public Comments
- 14) 5:20 - 5:30 P.M. Closing Comments by Working Group Chairman
- 15) 5:30 - 6:15 P.M. Preparation of ACNW Report (Open)
(GMH/NMC/HJL)
Discussion of principal points in a proposed ACNW report on TSPA/TPA Working Group
- 6:15 P.M. Working Group Concluded

THURSDAY, MARCH 27, 2003, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 16) 8:30 - 8:35 A.M. Opening Statement by the ACNW Chairman (Open)
(GMH/HJL)
The Chairman will make opening remarks regarding the conduct of today's sessions.
- 17) 8:35 - 9:10 A.M. NRC/EPA Memorandum of Understanding (MOU) Related Decommissioning and Decontamination of Contaminated Sites (Open) (RGW/HJL)
Briefing by and discussions with representatives of the NRC regarding this recent (October 2002) MOU between the NRC and the EPA.
- 18) 9:10 - 9:45 A.M. Discussion of Self-Assessment Survey Preliminary Results (Open) (GMH/RPS)
- 9:45 - 10:00 A.M. ***** BREAK *****
- 19) 10:00 - 12:00 Noon ACNW Action Plan (Open) (GMH/JTL)
The Committee members will discuss an update to the ACNW 2002-2003 Action Plan.
- 12:00 - 1:00 P.M. *****LUNCH*****
- 20) 1:00 - 2:45 P.M. ACNW Action Plan (Open) (GMH/JTL)
Continuing discussions related to ACNW 2002-2003 Action Plan.

21) 2:45 - 3:00 P.M.

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.

3:00 P.M.

Adjourn 140th Meeting.

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) copies 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 Larson at 301-415-6805 between 8:00 a.m. and 4:00 p.m., several days prior to the meeting.

ACNW
HJL/bjw
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AGENDA - WORKING GROUP & 140TH ACNW MEETING,
MARCH 25-27, 2003

FOR REVIEW/COMMENTS

Neil ----

Tim ----

Mike ----

Richard ----

Howard ----

Sher ----

Please return to Barbara Jo

Thank you.