

September 27, 2007

**AGENDA
183rd ACNW&M MEETING
OCTOBER 16-18, 2007**

**TUESDAY, OCTOBER 16, 2007, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH,
ROCKVILLE, MARYLAND**

- 1) 8:30 – 8:35 A.M. **Opening Remarks by the ACNW&M Chairman** (Open)
(MTR/AFD)
The Chairman will make opening remarks regarding the conduct of today=s sessions.

**ACNW&M WORKING GROUP MEETING ON PRECLOSURE SEISMIC ANALYSIS
EVALUATION AT THE PROPOSED YUCCA MOUNTAIN, NEVADA, REPOSITORY**

Purpose

The purpose of this Working Group Meeting is to understand the regulatory framework, and associated acceptance criteria, to be used by the staff in their analysis of pre-closure seismic hazards at the proposed Yucca Mountain repository site. This information will be compared with the processes used to determine seismic safety at other types of NRC-licensed nuclear facilities (e.g., nuclear power plants, independent spent fuel storage installations, and fuel fabrication facilities).

- 2) 8:35 – 8:45 A.M. **Greetings and Introductions** (WJH/MPL)
Dr. William Hinze, the cognizant ACNW&M Member for this meeting topic, will provide an overview of the expected goals for the Working Group Meeting, the planned technical sessions, and introduce the invited panelists and speakers.
- 3) 8:45 – 9:00 A.M. **Overview of the Development of NRC’s Seismic Regulations**
Michael Lee, ACNW&M Staff.
- 4) 9:00 – 9:30 A.M. **Current Seismic Design Requirements for Nuclear Power Plants**
Dr. Goutam Bagchi, NRC Office of Nuclear Reactor Regulation.
- 5) 9:30 – 9:45 A.M. **Pre-Closure Seismic Design Requirements for the Yucca Mountain HLW Repository**
Dr. Mysore Nataraja, NRC Office of Nuclear Material Safety and Safeguards (NMSS).

- 6) 9:45 – 10:00 A.M. **Interim Staff Guidance, "Review Methodology for Seismically Initiated Event Sequences" – DHLWRS-ISG-01**
Dr. Mahendra Shah, NMSS.
- 7) 10:00 – 10:30 A.M. **American Society of Civil Engineers Standard ASCE/SEI 43-05**
The speaker is yet to be determined. This topic may be removed or modified.
- 10:30 – 10:45 A.M. *** BREAK*****
- 8) 10:45 – 11:15 A.M. **Current Seismic Design Requirements for MOX Facilities**
Dr. John Stamatakos, Center for Nuclear Waste Regulatory Analyses.
- 9) 11:15 – 12:15 P.M. **Stakeholder and Public Comments**
- 12:15 – 1:30 P.M. ***LUNCH*****
- 10) 1:30 – 2:30 P.M. **Roundtable Discussion**
Moderator: Dr. William Hinze, ACNW&M Member
Invited Experts:
Dr. Leon Reiter, Nuclear Waste Technical Review Board (NWTRB) (retired)
Dr. Andrew Murphy, NRC Office of Nuclear Regulatory Research
- 11) 2:30 – 2:45 P.M. **Closing Remarks** (WJH)
- 2:45 – 3:00 P.M. *** BREAK*****
- 12) 3:00 – 5:00 P.M. **GE - Hitachi Nuclear Energy (GE-H) Spent Nuclear Fuel (SNF) Recycling Processes** (Open) (AGC/JHF)
Representatives from GE-H will present an overview of their advanced SNF recycling processes.
- 5:00 P.M. Adjourn**

WEDNESDAY, OCTOBER 17, 2007, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 13) 8:00 – 8:05 A.M. **Opening Remarks by the ACNW&M Chairman** (Open) (MTR/AFD)
The Chairman will make opening remarks regarding the conduct of today=s sessions.
- 14) 8:05 – 12:30 P.M. **NRC's Total-System Performance Assessment (TPA) Code for Review of Performance Assessment of the Yucca Mountain Site** (Open) (MTR/NMC)
NRC staff representatives from the Office NMSS will brief the Committee on the newly released version of the staff's TPA code (Version 5.1). This updated tool will support the staff's review of an impending license application for the proposed Yucca Mountain repository site.

12:30 – 1:30 P.M. *LUNCH*****

- 15) 1:30 – 3:00 P.M. **Draft Proposed Rule/Guidance on Preventing Legacy Sites** (Open/Closed) (JHC/DAW)
NRC staff representatives from the Office of Federal and State Materials and Environmental Management Programs (FSME) will brief the Committee on NRC's proposed rulemaking and guidance for prevention of decommissioning legacy sites.

[Note: A portion of this session may be closed to discuss pre-decisional documents pursuant to 5 U.S.C. 552b (c)(9)(B)]

- 16) 3:00 – 4:00 P.M. **Preparation for Meeting with NRC Commissioners** (Open) (All)
Discussion and approval of the viewgraphs for the ACNW&M briefing to the NRC Commissioners, scheduled for Wednesday, November 14, 2007.

4:00 P.M. Adjourn

THURSDAY, OCTOBER 18, 2007, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 17) 8:30 - 8:35 A.M. **Opening Remarks by the ACNW&M Chairman** (Open) (MTR/AFD)
The Chairman will make opening remarks regarding the conduct of today=s sessions.
- 18) 8:35 – 9:35 A.M. **Mallinckrodt Site Decommissioning Plan** (Open) (JHC/DAW)
NRC staff representatives from the Office of FSME will brief the Committee on decommissioning of the Mallinckrodt Chemical, Inc. site, in St. Louis, Missouri.
- 19) 9:35 – 10:35 A.M **Vendor's Views on the Transportation-Aging-Disposal (TAD) Performance Specifications** (Open) (RFW/CLB)
A representative from Holtec International, a commercial vendor, will brief the Committee on their views on the TAD Performance Specifications, possible challenges the vendor may be facing, and suggestions for expediting NRC approval of a TAD license application.
- 20) 10:35 – 12:00 P.M. **Discussion of ACNW&M Letter Reports** (Open) (All)
Discussion of proposed and potential ACNW&M letter reports on:
20.1) Current Developments in Support of the TPA Code (RFW/JHC/CLB)
20.2) Committee Review of Regulatory Guide Revision Process (MTR/DAW)
20.3) Preclosure Seismic Analysis Evaluation at the Proposed Yucca Mountain, Nevada, Repository (WJH/MPL)
20.4) NRC Revised Total-System Performance Assessment (TPA) Code (MTR/NMC)
20.5) Draft Proposed Rule/Guidance on Preventing Legacy Sites (JHC/DAW)

20.6) Mallinckrodt Site Decommissioning Plan (JHC/DAW)

- 12:00 - 1:00 P.M. ***LUNCH*****
- 21) 1:00 – 2:30 P.M. **Revision of NUREG-1854, NRC Staff Guidance for Activities Related to U.S. Department of Energy Waste Determinations - Draft Final Report for Interim Use** (Open) (ACG/LSH)
NRC staff representative from the Office of FSME will brief the Committee on how the public comments on the draft guidance were resolved.
- 22) 2:30 – 4:30 P.M. **Discussion of Proposed and Potential ACNW&M Letter Reports** (Open) (All)
Continued discussion of proposed ACNW&M letter reports listed under Item 20.
- 23) 4:30 P.M. - 5:00 P.M. **Miscellaneous** (Open) (All) - The Committee will discuss matters related to the conduct of ACNW&M activities and specific issues that were not completed during previous meetings, as time and availability of information permit. Discussions may include content of future letters and scope of future Committee Meetings.
- 5:00 P.M. Adjourn**

NOTES:

- Presentation time should not exceed 50 percent of the total time allocated for a given 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 material should be provided to the ACNW&M in advance of the briefing.
- During the days of the meeting, phone number 301-415-7360 should be used in order to access anyone in the ACNW&M Office.

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