



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

November 8, 2006 (REVISED)

**AGENDA**  
**174<sup>th</sup> ACNW MEETING**  
**NOVEMBER 13-16, 2006**

**MONDAY, NOVEMBER 13, 2006, CONFERENCE ROOM T-2B3, TWO WHITE FLINT  
NORTH, ROCKVILLE, MARYLAND**

1) 10:00 - 10:05 A.M. **Opening Remarks by the ACNW Chairman** (Open) (MTR/AFD)  
The ACNW Chairman, Dr. Michael Ryan, will make opening remarks regarding the conduct of today's sessions.

2) 10:05 - 12:00 P.M. **Update on Status of Seismic Design Bases and Methodology: NRC Perspective** (Open) (WJH/MPL)  
Staff representatives from the NRC Office of Nuclear Material Safety and Safeguards (NMSS) will brief the Committee on seismic issues and review methodologies for both pre- and post-closure phases of the Yucca Mountain repository operation.

**12:00 - 1:00 P.M. \*\*\*LUNCH\*\*\***

3) 1:00 - 2:30 P.M. **Results from the Liquid Radioactive Release Lessons Learned Task Force** (Open) (JHC/DAW)  
A representative from the NRC Office of Nuclear Reactor Regulation (NRR) will brief the Committee on the results from the recently completed report from the Liquid Radioactive Release Lessons Learned Task Force.

4) 2:30 - 5:30 P.M. **Preparation for Meeting with NRC Commissioners** (Open) (All)  
Discussion of topics of mutual interest in preparation for ACNW meeting with the NRC Commissioners that is scheduled for Thursday, December 14, 2006. There may be a 15 minute break at some point during this activity.

**5:30 P.M. Adjourn**

**TUESDAY, NOVEMBER 14, 2006, CONFERENCE ROOM T-2B3, TWO WHITE FLINT  
NORTH, ROCKVILLE, MARYLAND**

**ACNW WORKING GROUP ON DECOMMISSIONING LESSONS LEARNED (OPEN)**

5) 8:30 - 8:45 A.M. **Opening Remarks and Introductions** (MTR/JHC/DAW)  
The ACNW Chairman will make opening remarks regarding the conduct of today's sessions. ACNW Member Dr. James Clarke will provide an overview of the Working Group Meeting, including the meeting purpose and scope, and introduce invited subject matter experts.

**SESSION I: DECOMMISSIONING LESSONS LEARNED**

- 6) 8:45 - 9:30 A.M. Ralph Anderson (Nuclear Energy Institute) will discuss lessons learned in decommissioning of nuclear power reactors.
- 7) 9:30 - 10:05 A.M. Jeff Lux (Tronox and the Fuel Cycle Facilities Forum) will discuss lessons learned in decommissioning of fuel cycle and other materials facilities.
- 8) 10:05 - 10:45 A.M. Larry Boing (Argonne National Laboratory) will discuss lessons learned in decommissioning of selected Department of Energy and other facilities.

**10:45 - 11:00 A.M. \*\*\*BREAK\*\*\***

- 9) 11:00 -11:30 A.M. Hans Honerlah (Army Corps of Engineers) will discuss lessons learned in decommissioning Formerly Utilized Site Remedial Action Program (FUSRAP) and other Corps of Engineers facilities.
- 10) 11:30 -12:30 P.M. **Session I Panel Discussion** (All)  
Committee Member Clarke will lead a panel discussion with the invited subject matter experts on decommissioning lessons learned.

**12:30 - 1:30 P.M. \*\*\*LUNCH\*\*\***

**SESSION II: IMPLEMENTING DECOMMISSIONING LESSONS LEARNED IN NRC RULES AND GUIDANCE**

- 11) 1:30 - 2:00 P.M. Thomas Conley (Kansas Department of Health and Environment) will discuss decommissioning lessons learned from an Agreement State perspective.
- 12) 2:00 - 4:00 P.M. Staff representatives from NRR and the NRC Office of Federal and State Materials and Environmental Management Programs (FSME) will discuss decommissioning lessons learned efforts within NRC and implementation of selected decommissioning lessons learned in NRC rules and guidance.

**4:00 - 4:15 P.M. \*\*\*BREAK\*\*\***

- 13) 4:15 - 5:15 P.M. **Session II Panel Discussion** (All)  
Committee Member Clarke will lead a panel discussion with the invited subject matter experts on implementing decommissioning lessons learned in NRC rules and guidance.

- 14) 5:15 - 5:30 P.M. **Wrap Up**  
ACNW Member Dr. James Clarke will provide a summary of the Working Group Meeting, including a discussion of a possible letter report to the Commission.

**5:30 P.M. Adjourn**

**WEDNESDAY, NOVEMBER 15, 2006, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 15) 8:30 - 8:35 A.M. **Opening Remarks by the ACNW Chairman** (Open) (MTR/NMC)  
The Chairman will make opening remarks regarding the conduct of today's sessions.
- 16) 8:35 - 12:30 A.M. **Dose Effect Relationships and Estimation of the Carcinogenic Effects of Low Doses of Ionizing Radiation** (Open) (MTR/NMC)  
French scientists will brief the ACNW regarding the content of the recent report by the French Academy of Sciences and National Academy of Medicine. There may be a 15 minute break at some point during this presentation.

**12:30 - 1:30 P.M. \*\*\*LUNCH\*\*\***

- 17) 1:30 - 4:00 P.M. **White Paper on Potential Advanced Fuel Cycles** (Open) (AGC/JHF)  
The draft ACNW white paper on spent nuclear fuel recycling will be discussed. This paper focuses on various known reprocessing methods and their resulting effluents and waste. Licensing of a new reprocessing facility will also be addressed.

**4:00 - 4:15 P.M. \*\*\*BREAK\*\*\***

- 18) 4:15 - 5:30 P.M. **Discussion of Draft ACNW Letter Reports** (Open) (All)  
Discussion of proposed ACNW reports on the following:  
18.1) Developing Model Confidence through the Use of Site Monitoring (JHC/DAW)  
18.2) Spent Nuclear Fuel Transportation Package Responses to Tunnel Fire Scenarios (RFW/MPL)

**5:30 P.M. Adjourn**

**THURSDAY, NOVEMBER 16, 2006, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 19) 8:30 - 8:35 A.M. **Opening Remarks by the ACNW Chairman** (Open) (MTR/AFD)  
The Chairman will make opening remarks regarding the conduct of today's sessions.

- 20) 8:35 - 10:00 A.M. **Proposed Revision to Regulatory Guide 1.112, Calculation of Releases of Radioactive Materials in Gaseous and Liquid Effluents from Light-Water-Cooled Reactors** (Open) (MTR/CLB)  
RES representatives will brief the Committee on the proposed modifications to Regulatory Guide 1.112 in support of new reactor licensing.

**10:00 - 10:15 A.M. \*\*\*BREAK\*\*\***

- 21) 10:15 - 11:45 A.M. **Proposed Revision to Reg Guide 4.15, Quality Assurance for Radiological Monitoring Programs (Inception Through Normal Operations to License Termination) – Effluent Streams and the Environment** (Open) (MTR/CLB)  
RES representatives will brief the Committee on the proposed revision to Reg Guide 4.15 in support of new reactor licensing.

**11:45 - 1:00 P.M. \*\*\*LUNCH\*\*\***

- 22) 1:00 - 2:00 P.M. **Discussion of Potential ACNW Letter Reports** (Open) (All)  
Discussion of possible ACNW reports on:  
22.1) Update on Status of Seismic Design Bases and Methodology: NRC Perspective (WJH/MPL)  
22.2) Results from the Liquid Radioactive Release Lessons Learned Task Force (JHC/DAW)  
22.3) ACNW Working Group Meeting on Design and Construction Considerations for Decommissioning (JHC/DAW)  
22.4) Dose Effect Relationships and Estimation of the Carcinogenic Effects of Low Doses of Ionizing Radiation (MTR/NMC)  
22.5) Proposed Revision to Reg Guide 1.112, Calculation of Releases of Radioactive Materials in Gaseous and Liquid Effluents from Light-Water-Cooled Reactors (MTR/CLB)  
22.6) Proposed Revision to Reg Guide 4.15, Quality Assurance for Radiological Monitoring Programs (Normal Operations) – Effluent Streams and the Environment (MTR/CLB)

- 23) 2:00 - 3:00 P.M. **Discussion of Draft ACNW Letter Reports** (Open) (All)  
Continued discussion of proposed ACNW reports listed under Item 22.

**3:00 - 3:15 P.M. \*\*\*BREAK\*\*\***

- 24) 3:15 - 5:00 P.M. **Miscellaneous** (Open)  
The Committee will discuss matters related to the conduct of ACNW activities and specific issues that were not completed during previous meetings, as time and availability of information permit. Discussions may include future Committee Meetings.

**5:00 P.M. Adjourn**

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**NOTES:**

- Presentation time should not exceed 50 percent of the total time allocated 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 in advance of the briefing.**
- 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. Antonio F. Dias at 301-415-6805 between 8:00 a.m. and 5:00 p.m. prior to the meeting.