



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

November 9, 2009

**AGENDA
568th ACRS MEETING
DECEMBER 3-5, 2009**

**THURSDAY, DECEMBER 3, 2009, CONFERENCE ROOM T-2B3, TWO WHITE FLINT
NORTH, ROCKVILLE, MARYLAND**

- 1) 8:30 – 8:35 A.M. Opening Remarks by the ACRS Chairman (Open)
(MVB/EMH/PW)
 - 1.1) Opening statement
 - 1.2) Items of current interest

- 2) 8:35 – 10:00 A.M. License Renewal Application for the Prairie Island Nuclear
Generating Plant, Units 1 and 2 (Open) (HBR/PW)
 - 2.1) Remarks by the Subcommittee Chairman
 - 2.2) Briefing by and discussions with representatives of the
NRC staff and Northern States Power Company regarding
the license renewal application for the Prairie Island
Nuclear Generating Plant, Units 1 and 2, the associated
NRC staff's final Safety Evaluation Report (SER), and
related matters.

Members of the public may provide their views, as appropriate.

10:00 – 10:15 A.M. * BREAK *****

- 3) 10:15 – 12:15 P.M. Draft Final Regulatory Guide 1.205, "Risk-Informed, Performance-
Based Fire Protection for Existing Light-Water Nuclear Power
Plants," and Draft Final Standard Review Plan (SRP) Section
9.5.1.2, "Risk-Informed, Performance-Based Fire Protection"
(Open) (GEA/GSS/JCL)
 - 3.1) Remarks by the Subcommittee Chairman
 - 3.2) Briefing by and discussions with representatives of the
NRC staff and the industry regarding draft final Regulatory
Guide 1.205, "Risk-Informed, Performance-Based Fire
Protection for Existing Light-Water Nuclear Power Plants,"
Draft Final SRP Section 9.5.1.2, "Risk-Informed,
Performance-Based Fire Protection," NRC staff's
resolution of public comments, and related matters.

Members of the public may provide their views, as appropriate.

12:15 – 1:15 P.M. * LUNCH *****

- 4) 1:15 – 3:15 P.M. Long-Term Core Cooling Approach for the Economic Simplified Boiling Water Reactor (ESBWR) Design (Open) (MLC/KW/CLB)
- 4.1) Remarks by the Subcommittee Chairman
 - 4.2) Briefing by and discussions with representatives of the NRC staff and General Electric - Hitachi Nuclear Energy (GEH) regarding the long-term core cooling approach for the ESBWR design, and related matters.

[NOTE: A portion of this session may be closed to protect information that is proprietary to GEH or its contractors pursuant to 5 U.S.C. 552b (c)(4).]

Members of the public may provide their views, as appropriate.

3:15 – 3:30 P.M. * BREAK *****

- 5) 3:30 – 5:00 P.M. Draft Final Revision 1 to Regulatory Guide 1.151 (DG-1178), "Instrument Sensing Lines" (Open) (OLM/ZA)
- 5.1) Remarks by the Subcommittee Chairman
 - 5.2) Briefing by and discussions with representatives of the NRC staff regarding draft final Revision 1 to Regulatory Guide 1.151 (DG-1178), "Instrument Sensing Lines," NRC staff's resolution of public comments, and related matters.

Representatives of the nuclear industry and members of the public may provide their views, as appropriate.

5:00 – 5:15 P.M. * BREAK *****

- 6) 5:15 – 5:45 P.M. Subcommittee Reports (Open)
- 6.1) (5:15 - 5:30 P.M) Report by and discussions with the Chairman of the Reliability & PRA Subcommittee regarding NRC's proposed policy statement on Safety Culture that was discussed during the meeting on November 12, 2009. (GEA/JHF)
 - 6.2) (5:30 - 5:45 P.M) Report by and discussions with the Chairman of the AP1000 Subcommittee regarding Chapters 7 and 9 of the draft SER associated with the AP1000 Design Control Document Amendment that was discussed during the meeting on November 19-20, 2009. (HBR/MPL)

- 7) 5:45 – 7:00 P.M. Preparation of ACRS Reports (Open)
Discussion of proposed ACRS reports on:
- 7.1) License Renewal Application for the Prairie Island Nuclear Generating Plant, Units 1 and 2 (HBR/PW)
 - 7.2) Draft Final Regulatory Guide 1.205, "Risk-Informed, Performance-Based Fire Protection for Existing Light-Water Nuclear Power Plants," and Draft Final

- Standard Review Plan (SRP) Section 9.5.1.2, "Risk-Informed, Performance-Based Fire Protection" (GEA/GSS/JCL)
- 7.3) Long-Term Core Cooling Approach for the Economic Simplified Boiling Water Reactor Design (MLC/KW/CLB)
- 7.4) Draft Final Revision 1 to Regulatory Guide 1.151 (DG-1178), "Instrument Sensing Lines" (OLM/ZA)

FRIDAY, DECEMBER 4, 2009, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 8) 8:30 – 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (MVB/EMH)
- 9) 8:35 – 9:15 A.M. Discussion of Topics for Meeting with the Commission (Open) (MVB, et al./EMH, et al.)
Discussion of the following topics for meeting with the Commission:
- Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC)/Design Acceptance Criteria (DAC) Closure Process
 - Amendment to the AP1000 Design Control Document
 - Three-Dimensional Finite Element Analysis of the Oyster Creek Drywell Shell
 - Beaver Valley Containment Liner Corrosion
 - Cyber Security Programs for Nuclear Power Plants
- 9:15 – 9:30 A.M. *** BREAK ***
- 10) 9:30 – 11:30 A.M. Meeting with the Commission - Commissioners' Conference Room, One White Flint North (Open) (MVB, et al. /EMH, et al.)
Meeting with the Commission to discuss topics listed under Item 9.
- 11:30 – 1:15 P.M. *** LUNCH ***
- 11) 1:15 – 2:30 P.M. Future ACRS Activities/Report of the Planning and Procedures Subcommittee (Open/Closed) (MVB/EMH)
- 11.1) Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the Full Committee during future ACRS meetings.
- 11.2) Report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business, including anticipated workload and member assignments.

[NOTE: A portion of this session may be closed pursuant to 5 U.S.C. 552b (c)(2) and (6) to discuss organizational and personnel matters that relate solely to internal personnel rules and practices of ACRS, and information the release of which would constitute a clearly unwarranted invasion of personal privacy.]

- 12) 2:30 – 2:45 P.M. Reconciliation of ACRS Comments and Recommendations (Open) (MVB/CS/AFD)
Discussion of the responses from the NRC Executive Director for Operations to comments and recommendations included in recent ACRS reports and letters.
- 13) 2:45 – 3:00 P.M. Election of ACRS Officers for CY-2010 (Open) (EMH/SD)
Election of the Chairman and Vice-Chairman for the ACRS and Member-at-Large for the Planning and Procedures Subcommittee for CY-2010.
- 3:00 – 3:15 P.M. *** BREAK *****
- 14) 3:15 – 5:15 P.M. Draft ACRS Report on the NRC Safety Research Program (Open) (DAP, et al/HPN, et al.)
14.1) Remarks by the Subcommittee Chairman
14.2) Discussion of a draft ACRS report on the NRC Safety Research Program
- 5:15 – 5:30 P.M. *** BREAK *****
- 15) 5:30 – 7:00 P.M. Preparation of ACRS Reports (Open)
Discussion of proposed ACRS reports on:
15.1) License Renewal Application for the Prairie Island Nuclear Generating Plant, Units 1 and 2 (HBR/PW)
15.2) Draft Final Regulatory Guide 1.205, "Risk-Informed, Performance-Based Fire Protection for Existing Light-Water Nuclear Power Plants," and Draft Final Standard Review Plan (SRP) Section 9.5.1.2, "Risk-Informed, Performance-Based Fire Protection" (GEA/GSS/JCL)
15.3) Long-Term Core Cooling Approach for the Economic Simplified Boiling Water Reactor Design (MLC/KW/CLB)
15.4) Draft Final Revision 1 to Regulatory Guide 1.151 (DG-1178), "Instrument Sensing Lines" (OLM/ZA)

SATURDAY, DECEMBER 5, 2009, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 16) 8:30 – 12:30 P.M. Preparation of ACRS Reports (Open)
(10:00-10:15 A.M. BREAK) Continue discussion of the proposed ACRS reports listed under Item 15.
- 17) 12:30 – 1:00 P.M. Miscellaneous (Open) (MVB/EMH)
Discussion of matters related to the conduct of Committee activities and specific issues that were not completed during previous meetings, as time and availability of information permit.

NOTES:

- During the days of the meeting, phone number 301-415-7360 should be used in order to access anyone in the ACRS Office.
- 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 materials should be provided to the ACRS in advance of the briefing.
- One (1) electronic copy of each presentation should be emailed to the Designated Federal Official 1 day before the meeting. If an electronic copy cannot be provided within this timeframe, presenters should provide the Designated Federal Official with a CD containing each presentation at least 30 minutes before the meeting.