

August 22, 2007

**SCHEDULE AND OUTLINE FOR DISCUSSION  
542<sup>nd</sup> ACRS MEETING  
MAY 3-5, 2007**

**THURSDAY, MAY 3, 2007, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH,  
ROCKVILLE, MARYLAND**

- 1) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (WJS/CS/SD)
  - 1.1) Opening statement
  - 1.2) Items of current interest
  
- 2) 8:35 - 10:30 A.M. Commission Paper on Rulemaking to Make Risk-Informed Changes to Loss-of-Coolant Accident Technical Requirements; 10 CFR 50.46a, "Acceptance Criteria for Emergency Core Cooling Systems for Light-Water Nuclear Power Reactors" (Open) (WJS/CGH)
  - 2.1) Remarks by the Subcommittee Chairman
  - 2.2) Briefing by and discussions with representatives of the NRC staff regarding the Commission paper related to rulemaking to make risk-informed changes to loss-of-coolant accident technical requirements, and related matters.

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

**10:30 - 10:45 A.M. \*\*\*BREAK\*\*\***

- 3) 10:45 - 12:15 P.M. Digital Instrumentation and Control Systems Matters (Open) (GEA/MAJ)
  - 3.1) Remarks by the Subcommittee Chairman
  - 3.2) Briefing by and discussions with representatives of the NRC staff regarding staff activities related to digital instrumentation and control systems, and related matters.

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

**12:15 - 1:15 P.M. \*\*\*LUNCH\*\*\***

- 4) 1:15 - 2:45 P.M. Commission Paper on Staff's Recommendation to Make a Risk-Informed and Performance-Based Revision to 10 CFR Part 50 (Open) (TSK/DCF)  
4.1) Remarks by the Subcommittee Chairman  
4.2) Briefing by and discussions with representatives of the NRC staff regarding the staff's recommendation to make a risk-informed and performance-based revision to 10 CFR Part 50, and related matters.

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

**2:45 - 3:00 P.M. \*\*\*BREAK\*\*\***

- 5) 3:00 - 4:30 P.M. Status of the Development of an Integrated Long-Term Regulatory Research Plan (Open) (DAP/HPN)  
5.1) Remarks by the Subcommittee Chairman  
5.2) Briefing by and discussions with representatives of the NRC staff regarding the staff's activities associated with the development of an integrated long-term regulatory research plan.

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

- 6) 4:45 - 7:00 P.M. Discussion of Proposed ACRS Reports on:  
6.1) Commission Paper on Rulemaking to Make Risk-Informed Changes to Loss-of-Coolant Accident Technical Requirements (WJS/CGH)  
6.2) Staff Activities Related to Digital Instrumentation and Control System Matters (GEA/MAJ)  
6.3) Commission Paper on Staff's Recommendation to Make a Risk-Informed and Performance-Based Revision to 10 CFR Part 50 (TSK/DCF)  
6.4) Development of an Integrated Long-Term Regulatory Research Plan (DAP/HPN)  
6.5) Proposed Revision to 10 CFR 50.46 LOCA Criteria for Fuel Cladding Materials (JSA/RC)

**FRIDAY, MAY 4, 2007, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 7) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (WJS/CS/SD)  
8) 8:35 - 10:30 A.M. ACRS Member's Issues Associated with the Technology- Neutral Framework for Future Plant Licensing (Open) (TSK/DCF)  
8.1) Remarks by the Subcommittee Chairman  
8.2) Discussion of, and determination on, individual member's issues associated with the technology-neutral framework for future plant licensing.

**10:30 - 10:45 A.M. \*\*\*BREAK\*\*\***

- 9) 10:45 - 11:45 A.M. Future ACRS Activities/Report of the Planning and Procedures Subcommittee (Open) (WJS/FPG/SD)
- 9.1) Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee during future ACRS meetings.
- 9.2) Report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business, including anticipated workload and member assignments.
- 10) 11:45 - 12:00 Noon Reconciliation of ACRS Comments and Recommendations (Open) (WJS, et al./SD, et al.)  
Discussion of the responses from the NRC Executive Director for Operations to comments and recommendations included in recent ACRS reports and letters.

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

- 11) 1:00 - 2:30 P.M. Discussion of Topics for Meeting with the NRC Commissioners (Open) (WJS, et.al/FPG, et.al)  
Discussion of the following topics scheduled for discussion during the meeting with the NRC Commissioners on June 7, 2007:
- Overview (WJS/SD)
  - Framework for Future Plant Licensing (TSK/DCF)
  - Digital I&C Activities (GEA/MAJ)
  - License Renewal/Extended Power Uprates (MVB/MAJ/RC)
  - Human Reliability Analysis Models (GEA/HPN)
  - Staff Report on Status of the 10 CFR 50.46 Rulemaking (WJS/CGH)

**2:30 - 2:45 P.M. \*\*\*BREAK\*\*\***

- 12) 2:45 - 7:00 P.M. Preparation of ACRS Reports (Open)  
Discussion of proposed ACRS reports on:
- 12.1) Commission Paper on Rulemaking to Make Risk-Informed Changes to Loss-of-Coolant Accident Technical Requirements (WJS./CGH)
- 12.2) Staff Activities Related to Digital Instrumentation and Control System Matters (GEA/MAJ)
- 12.3) Commission Paper on Staff's Recommendation to Make a Risk-Informed and Performance-Based Revision to 10 CFR Part 50 (TSK/DCF)

- 12.4) Development of an Integrated Long-Term Regulatory Research Plan (DAP/HPN)
- 12.5) Proposed Revision to 10 CFR 50.46 LOCA Criteria for Fuel Cladding Materials (JSA/RC)

**SATURDAY, MAY 5, 2007, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 13) 8:30 - 12:30 P.M. Preparation of ACRS Reports (Open)  
**(10:15-10:30 A.M. BREAK)** Continue discussion of proposed ACRS reports listed under Item 12.
- 14) 12:30 - 1:00 P.M. Miscellaneous (Open) (WJS/FPG)  
Discussion of 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.

**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 (1) electronic copy of the presentation materials should be provided to the ACRS.

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