



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

September 21, 2009

**AGENDA  
566<sup>th</sup> ACRS MEETING  
OCTOBER 8-10, 2009**

**THURSDAY, OCTOBER 8, 2009, COMMISSIONERS' CONFERENCE ROOM O-1F16, ONE  
WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 1) 8:30 – 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (MVB/EMH/SD)
  - 1.1) Opening statement
  - 1.2) Items of current interest
  
- 2) 8:35 – 10:30 A.M. Combined License Application for North Anna, Unit 3, Economic Simplified Boiling Water Reactor (ESBWR) and the Draft Safety Evaluation Report (SER) with Open Items (Open) (MLC/CLB)
  - 2.1) Remarks by the Subcommittee Chairman
  - 2.2) Briefing by and discussions with representatives of the NRC staff and Dominion Virginia Power regarding the North Anna ESBWR Combined License Application, the draft SER with Open Items, and related matters.

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

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

- 3) 10:45 – 12:15 P.M. License Renewal Application and Final SER for the Susquehanna Steam Electric Station, Units 1 and 2 (Open) (WJS/PW)
  - 3.1) Remarks by the Subcommittee Chairman
  - 3.2) Briefing by and discussions with representatives of the NRC staff and PPL Susquehanna, LLC regarding the license renewal application for the Susquehanna Steam Electric Station, Units 1 and 2, the associated NRC staff's final SER, 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. Steam Generator Action Plan (SGAP) Task 3.5, “A Risk Assessment of Consequential Steam Generator Tube Ruptures,” and other SGAP items (Open) (DAP/CLB)
- 4.1) Remarks by the Subcommittee Chairman
  - 4.2) Briefing by and discussions with representatives of the NRC staff regarding SGAP Task 3.5, other SGAP items, and related matters.

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

**3:15 – 3:30 P.M. \*\*\* BREAK \*\*\***

- 5) 3:30 – 5:00 P.M. Oyster Creek 3-Dimensional Structural Analysis of the Drywell Shell (Open) (WJS/PW)
- 5.1) Remarks by the Subcommittee Chairman
  - 5.2) Briefing by and discussions with representatives of the NRC staff and Exelon Generation Company, LLC, regarding the Oyster Creek 3-dimensional structural analysis of the drywell shell and related matters.

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

**5:00 – 5:15 P.M. \*\*\* BREAK \*\*\***

**CONFERENCE ROOM T-8A1, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 6) 5:15 – 7:00 P.M. Preparation of ACRS Reports (Open)  
Discussion of proposed ACRS reports on:
- 6.1) Combined License Application for North Anna, Unit 3, ESBWR and the Draft SER with Open Items (MLC/CLB)
  - 6.2) License Renewal Application and Final SER for the Susquehanna Steam Electric Station, Units 1 and 2 (WJS/PW)
  - 6.3) Steam Generator Action Plan (SGAP) Task 3.5, “A Risk Assessment of Consequential Steam Generator Tube Ruptures,” and other SGAP items (DAP/CLB)
  - 6.4) Oyster Creek 3-Dimensional Structural Analysis of the Drywell Shell (WJS/PW)

**FRIDAY, OCTOBER 9, 2009, COMMISSIONERS’ CONFERENCE ROOM O-1F16, ONE WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 7) 8:30 – 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (MVB/EMH/SD)
- 8) 8:35 – 9:45 A.M. Draft Final Revision 2 to Regulatory Guide 1.189, “Fire Protection for Nuclear Power Plants” (Open) (JDS/KDW)
- 8.1) Remarks by the Subcommittee Chairman

- 8.2) Briefing by and discussions with representatives of the NRC staff regarding the draft final Revision 2 to Regulatory Guide 1.189, 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.

**9:45 – 10:00 A.M. \*\*\* BREAK \*\*\***

- 9) 10:00 – 11:00 A.M. 10 CFR Part 52 Regulatory Process (Open) (DCB/GSS)  
9.1) Remarks by the Subcommittee Chairman  
9.2) Briefing by and discussions with representatives of the NRC staff regarding the 10 CFR Part 52 regulatory process and related matters.

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

- 10) 11:00 – 11:15 A.M. Subcommittee Report (Open)  
Report by and discussions with the Chairman of the AP1000 Subcommittee regarding selected Chapters of the draft SER with open items related to changes to the AP1000 Design Control Document that were discussed during the meeting on October 6-7, 2009. (HBR/MPL)

**11:15 – 12:15 P.M. \*\*\* LUNCH \*\*\***

- 11) 12:15 – 1:00 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) 1:00 – 1:15 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.
- 1:15 – 1:30 P.M. \*\*\* BREAK \*\*\***
- 13) 1:30 – 3:30 P.M. Draft ACRS Report on the NRC Safety Research Program (Open) (DAP, et al/HPN, et al)  
13.1) Remarks by the Subcommittee Chairman  
13.2) Discussion of a draft ACRS report on the NRC Safety Research Program
- 3:30 – 3:45 P.M. \*\*\* BREAK \*\*\***

**CONFERENCE ROOM T-8A1, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 14) 3:45 – 7:00 P.M. Preparation of ACRS Reports (Open)  
Discussion of proposed ACRS reports on:  
14.1) Combined License Application for North Anna, Unit 3, ESBWR and the Draft SER with Open Items (MLC/CLB)  
14.2) License Renewal Application and Final SER for the Susquehanna Steam Electric Station Units 1 and 2 (WJS/PW)  
14.3) Steam Generator Action Plan (SGAP) Task 3.5, "A Risk Assessment of Consequential Steam Generator Tube Ruptures," and other SGAP items (DAP/CLB)  
14.4) Oyster Creek 3-Dimensional Structural Analysis of the Drywell Shell (WJS/PW)  
14.5) Draft Final Revision 2 to Regulatory Guide 1.189, "Fire Protection for Nuclear Power Plants" (JDS/KDW)

**SATURDAY, OCTOBER 10, 2009, CONFERENCE ROOM T-8A1, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 15) 8:30 – 1:30 P.M. Preparation of ACRS Reports (Open)  
**(10:30-10:45 A.M. BREAK)** Continue discussion of the proposed ACRS reports listed under Item 14.
- 16) 1:30 – 2:00 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.