



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

May 13, 2008

SCHEDULE AND OUTLINE FOR DISCUSSION  
553rd ACRS MEETING  
JUNE 4-6, 2008

WEDNESDAY, JUNE 4, 2008, 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 - 10:00 A.M. ARTIST Test Program (Open) (JSA/DEB)  
2.1) Remarks by the Subcommittee Chairman  
2.2) Briefing by and discussions with representatives of the NRC staff regarding the synthesis on the findings from the ARTIST tests on aerosol retention in the secondary side of a steam generator, and related matters.

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

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

- 3) 10:15 - 11:45 A.M. Risk Assessment Standardization Project (Open) (GEA/HJV)  
3.1) Briefing by and discussions with representatives of the NRC staff regarding the Risk Assessment Standardization Project (RASP) and related matters.

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

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

- 4) 1:45 - 3:45 P.M. Overview of the U.S. Evolutionary Power Reactor (EPR) Design (Open) (DAP/DAW)  
4.1) Remarks by the Subcommittee Chairman  
4.2) Briefing by and discussions with representatives of the NRC staff and AREVA Nuclear Power Inc. regarding design features of the EPR and related matters.

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

**3:45 - 4:00 P.M. \*\*\*BREAK\*\*\***

- 5) 4:00 - 5:00 P.M. Status of the Development of Rules and Regulatory Guidance in the areas of Safeguards and Security (Open) (MVB/MB)  
5.1) Briefing by and discussions with representatives of the NRC staff regarding the status of activities associated with the development of rules and regulatory guidance in the safeguards and security areas.
- 6) 5:00 - 5:30 P.M. Status of the Quality Assessment of Selected Research Projects (Open) (DAP/HPN)  
6.1) Report by and discussions with the Chairmen of the ACRS Panels regarding the status of the quality assessment of the research projects on: FRAPCON / FRAPTRAN Code work at the Pacific Northwest National Laboratory; and NUREG-6943, "Study of Remote Visual Methods to Detect Cracking in Reactor Components."
- 5:30 - 5:45 P.M. \*\*\*BREAK\*\*\***
- 7) 5:45 - 7:00 P.M. Preparation of ACRS Report (Open)  
Discussion of proposed ACRS report on:  
7.1) ARTIST Test Program (JSA/DEB)

**THURSDAY, JUNE 5, 2008, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 8) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (WJS/CS/SD)
- 9) 8:35 - 9:30 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) 9:30 - 9:45 A.M. Reconciliation of ACRS Comments and Recommendations (Open) (WJS, et al. /CS, et al.)  
Discussion of the responses from the NRC Executive Director for Operations to comments and recommendations included in recent ACRS reports and letters.
- 9:45 – 10:00 A.M. \*\*\*BREAK\*\*\***
- 11) 10:00 – 11:15 A.M. Preparation for Meeting with the Commission (Open) (WJS, et al. /FPG, et al.)  
Discussion of the following topics for meeting with the Commission:

- Overview (WJS/SD)
- Safety Research Program Report(DAP/HPN)
- Digital I&C Matters (GEA/CEA)
- State-of-the-Art Reactor Consequence Analysis (SOARCA) Program (WJS/HPN)
- ESBWR Design Certification (MLC/DEB)
- Extended Power Uprates and related Technical Issues (MVB/ZA)

**11:15 - 1:15 P.M.      \*\*\*LUNCH\*\*\***

- 12)    1:30 – 3:30 P.M.    Meeting with the Commission (Open) (WJS, et al. /FPG, et al.)  
Meeting with the Commission, Commissioners' Conference Room, One White Flint North, to discuss topics listed under item 11.
- 13)    4:00 – 6:00 P.M.    Preparation of ACRS Report (Open)  
Discussion of proposed ACRS report on:  
13.1) ARTIST Test Program (JSA/DEB)

**FRIDAY, JUNE 6, 2008, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 14)    8:30 - 8:35 A.M.    Opening Remarks by the ACRS Chairman (Open) (WJS/CS/SD)
- 15)    8:35 - 10:30 A.M.    Overview of the US-Advanced Pressurized Water Reactor (US-APWR) Design (Open) (OLM/NMC/DEB)  
15.1) Remarks by the Subcommittee Chairman  
15.2) Briefing by and discussions with representatives of the NRC staff and Mitsubishi Heavy Industries, Ltd. regarding design features of the US-APWR and related matters.

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

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

- 16)    10:45 - 11:45 A.M.    Status of NRC Staff Activities Associated with the Resolution of Generic Safety Issue (GSI)-191, "Assessment of Debris Accumulation on Pressurized-Water Reactor (PWR) Sump Performance" (Open) (SB/DEB)  
16.1) Briefing by and discussions with representatives of the NRC staff regarding the status of NRC staff activities associated with the Resolution of GSI-191.

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

**11:45 - 1:15 P.M.      \*\*\*LUNCH\*\*\***

- 17)    1:15 - 1:30 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.

One (1) electronic copy and thirty-five (35) hard copies of the presentation materials should be provided to the ACRS.