



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

September 11, 2008

**AGENDA
556th ACRS MEETING
OCTOBER 2-4, 2008**

**THURSDAY, OCTOBER 2, 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. License Renewal Application and Final Safety Evaluation Report (SER) for the Shearon Harris Nuclear Power Plant, Unit 1 (Open) (JS/PW)
 - 2.1) Remarks by the Subcommittee Chairman
 - 2.2) Briefing by and discussions with representatives of the NRC staff and Carolina Power & Light Company regarding the license renewal application for the Shearon Harris Nuclear Power Plant, Unit 1, and the associated NRC staff's final Safety Evaluation Report (SER).

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

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

- 3) 10:15 -12:15 P.M. Status of Resolution of Generic Safety Issue (GSI)-191, "Assessment of Debris Accumulation on Pressurized-Water Reactor (PWR) Sump Performance" (Open) (SB/DAW/DB)
 - 3.1) Remarks by the Subcommittee Chairman
 - 3.2) Briefing by and discussions with representatives of the NRC staff and PWR Owners Group regarding the staff and industry activities associated with the resolution of GSI-191.

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 - 3:15 P.M. Selected Chapters of the SER Associated with the Economic Simplified Boiling Water Reactor (ESBWR) Design Certification Application (Open/Closed) (MLC/HJV)
 - 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 selected Chapters of the NRC staff's SER With Open Items associated with the ESBWR design certification application.

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

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

- 3:15 - 3:30 P.M.** ***** BREAK *****
- 5) 3:30 - 4:00 P.M. Quality Assessment of Selected Research Projects (Open) (DAP/HPN)
5.1) Remarks by the Subcommittee Chairman
5.2) Discussion of the draft final report on the quality assessment of the NRC research projects on: FRAPCON / FRAPTRAN Code work at the Pacific Northwest National Laboratory (PNNL), and NUREG/CR - 6943, "A Study of Remote Visual Methods to Detect Cracking in Reactor Components."
- 6) 4:00 - 5:15 P.M. Historical Perspectives and Insights on Reactor Consequence Analyses (Open) (WJS/HPN)
Discussion of the draft White Paper prepared by Dr. Nourbakhsh, ACRS Senior Technical Advisor, regarding historical perspectives and insights on reactor consequence analyses.
- 5:15 - 5:30 P.M.** ***** BREAK *****
- 7) 5:30 - 7:00 P.M. Preparation of ACRS Reports (Open)
Discussion of proposed ACRS reports on:
7.1) License Renewal Application for the Shearon Harris Nuclear Power Plant, Unit 1 (JS/PW)
7.2) Status of Resolution of Generic Safety Issue - 191 (SB/DAW/DB)
7.3) Selected Chapters of the SER Associated with the ESBWR Design Certification Application (MLC/HJV)

FRIDAY, OCTOBER 3, 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/Closed) (WJS/EMH/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.

[NOTE: A portion of this meeting 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.]

- 10) 9:30 - 9:45 A.M. Reconciliation of ACRS Comments and Recommendations (Open) (WJS/CS/AFD)
Discussion of the responses from the NRC Executive Director for Operations to comments and recommendations included in recent ACRS reports and letters.

- 11) 9:45 – 10:00 A.M. Subcommittee Reports (Open)
- 11.1) Report by and discussions with the Chairman of the ACRS Subcommittee on Materials, Metallurgy, and regarding Proposed Supplemental Shock Rule (10 CFR 50.61) that was Subcommittee meeting on October
- Reactor Fuels
Pressurized Thermal
discussed during the
1, 2008. (WJS/CLB)
- 11.2) Report by and discussions with the Chairman of the ACRS Subcommittee on Reliability and PRA regarding the final NUREG-1855, "Guidance on the Treatment of Uncertainties in Risk-Informed Decisionmaking," discussed during the Subcommittee
- draft
that was
meeting on
- September 30, 2008. (GEA/HJV)

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

- 12) 10:15 – 11:30 A.M. Preparation for Meeting with the Commission on November 7, 2008 (Open) (WJS, et al. /EMH, et al.)
Discussion of proposed topics for meeting with the Commission November 7, 2008.
- on

11:30 - 12:30 P.M. * LUNCH *****

- 13) 12:30 - 7:00 P.M. Preparation of ACRS Reports (Open)
Continued discussion of proposed ACRS reports on:
- 13.1) License Renewal Application for the Shearon Harris Nuclear Power Plant, Unit 1 (JS/PW)
- 13.2) Status of Resolution of Generic Safety Issue - 191 (SB/DAW/DB)
- 13.3) Selected Chapters of the SER Associated with the ESBWR Design Certification Application (MLC/HJV)

SATURDAY, OCTOBER 4, 2008, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 14) 8:30 - 1:00 P.M. Preparation of ACRS Reports (Open)
(10:30-10:45 A.M. BREAK) Continue discussion of the proposed ACRS reports listed under Item 13.
- 15) 1:00 - 1:30 P.M. Miscellaneous (Open) (WJS/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.