



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

April 17, 2008

SCHEDULE AND OUTLINE FOR DISCUSSION  
552nd ACRS MEETING  
MAY 8-10, 2008

**THURSDAY, MAY 8, 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 - 10:30 A.M. Selected Chapters of the SER Associated with the ESBWR  
Design Certification Application (Open/Closed) (MLC/DEB)  
2.1) Remarks by the Subcommittee Chairman  
2.2) 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  
Safety Evaluation Report (SER) With Open Items  
associated with the Economic Simplified Boiling Water  
Reactor (ESBWR) design certification application.

**[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).]**

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

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

- 3) 10:45 - 12:30 P.M. Insights from PHEBUS – FP Tests (Open) (JSA/DEB/HPN)  
3.1) Briefing by and discussions with representatives of the  
NRC staff regarding the findings of the large-scale integral  
tests conducted in connection with the PHEBUS – FP  
Program and their implications on containment iodine  
behavior.

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

**12:30 - 1:30 P.M. \*\*\*LUNCH\*\*\***

- 4) 1:30 - 3:30 P.M. Draft NUREG/CR Report on PRA Methods for Digital  
Systems (Open) (GEA/CEA)  
4.1) Remarks by the Subcommittee Chairman  
4.2) Briefing by and discussions with representatives of the  
NRC staff and Brookhaven National Laboratory (BNL)  
regarding draft NUREG/CR – XXX Report on Approaches

for Using Traditional PRA Methods for Digital Systems and other related matters.

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

**3:30 - 3:45 P.M.      \*\*\*BREAK\*\*\***

- 5)      3:45 - 7:00 P.M.      Preparation of ACRS Reports (Open)  
 Discussion of proposed ACRS reports on:
- 5.1)      Selected Chapters of the SER Associated with the ESBWR Design Certification Application (MLC/DEB)
  - 5.2)      Insights from PHEBUS – FP Tests (JSA/DEB/HPN)
  - 5.3)      Draft NUREG/CR Report on PRA Methods for Digital Systems (GEA/CEA)
  - 5.4)      Response to the EDO Response dated January 17, 2008, to the December 20, 2007 ACRS Report on the Susquehanna Power Uprate Application) (SB/ZA)

**FRIDAY, MAY 9, 2008, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 6)      8:30 - 8:35 A.M.      Opening Remarks by the ACRS Chairman (Open) (WJS/CS/SD)
- 7)      8:35 - 9: 15 A.M.      Future ACRS Activities/Report of the Planning and Procedures Subcommittee (Open) (WJS/FPG/SD)
- 7.1)      Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee during future ACRS meetings.
  - 7.2)      Report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business, including anticipated workload and member assignments.
- 8)      9: 15 -9: 30 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)      9:30 – 10:00 A.M.      Subcommittee Report (Open) (JWS/PW)  
 Report by and discussions with the Chairman of the ACRS Subcommittee on Plant License Renewal regarding the license renewal application for the Shearon Harris Nuclear Power Plant that was discussed during the Subcommittee meeting on May 7, 2008.
- 10:00 – 10:15 A.M.      \*\*\*BREAK\*\*\***

- 10) 10: 15 – 12:00 P.M. Preparation for Meeting with the Commission on June 5, 2008  
(Open) (WJS, et al. /FPG, et al.)  
Discussion for meeting with the Commission on June 5, 2008.
- 12:00 - 1:30 P.M. \*\*\*LUNCH\*\*\***
- 11) 1:30 – 6:30 P.M. Preparation of ACRS Reports (Open)  
Discussion of proposed ACRS reports on:
- 11.1) Selected Chapters of the SER Associated with the ESBWR Design Certification Application (MLC/DEB)
  - 11.2) Insights from PHEBUS – FP Tests (JSA/DEB/HPN)
  - 11.3) Draft NUREG/CR Report on PRA Methods for Digital Systems (GEA/CEA)
  - 11.4) Response to the EDO Response dated January 17, 2008, to the December 20, 2007 ACRS Report on the Susquehanna Power Uprate Application) (SB/ZA)

**SATURDAY, MAY 10, 2008, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 12) 8:30 - 1:00 P.M. Preparation of ACRS Reports (Open)  
**(10:30-10:45 A.M. BREAK)** Continue discussion of proposed ACRS reports listed under Item 11.
- 13) 1:00 - 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.

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