

September 17, 2003

**SCHEDULE AND OUTLINE FOR DISCUSSION  
506<sup>th</sup> ACRS MEETING  
OCTOBER 1-4, 2003**

**WEDNESDAY, OCTOBER 1, 2003, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH,  
ROCKVILLE, MARYLAND**

- 1) 10:15 - 10:20 A.M. Opening Remarks by the ACRS Chairman (Open)
    - 1.1) Opening Statement (MVB/JTL/SD)
    - 1.2) Items of current interest (MVB/SD)
  
  - 2) 10:20 - 12:00 Noon Final Review of the Fort Calhoun License Renewal Application (Open) (MVB/GML/MDS/SD)
    - 2.1) Remarks by the Subcommittee Chairman
    - 2.2) Briefing by and discussions with representatives of the NRC staff and the Omaha Public Power District regarding the License Renewal Application for the Fort Calhoun Station Unit 1 and the associated final Safety Evaluation Report prepared by the staff.
  
  - 12:00 - 1:00 P.M. \*\*\*LUNCH\*\*\***
  
  - 3) 1:00 - 3:00 P.M. Interim Review of the AP1000 Design (Open) (TSK/MME)
    - 3.1) Remarks by the Subcommittee Chairman
    - 3.2) Briefing by and discussions with representatives of the NRC staff and Westinghouse regarding the resolution of open items and related matters.
  
  - 3:00 - 3:15 P.M. \*\*\*BREAK\*\*\***
  
  - 4) 3:15 - 4:45 P.M. Proactive Material Degradation Assessment Program (Open) (FPF/BPJ)
    - 4.1) Remarks by the Subcommittee Chairman
    - 4.2) Briefing by and discussions with representatives of the NRC staff regarding the proposed proactive research program for assessing materials degradation at nuclear power plants.
- Representatives of the nuclear industry may provide their views, as appropriate.
- 4:45 - 5:00 P.M. \*\*\*BREAK\*\*\***

- 5) 5:00 - 6:15 P.M. Preparation for Meeting with the NRC Commissioners (Open) (MVB et al./JTL et al.)  
Discussion of the following topics scheduled for the ACRS meeting with the NRC Commissioners between 9:30 a.m. - 11:30 a.m. on October 2, 2003.
- a) Overview by the ACRS Chairman (MVB)
    - Risk-informing 10 CFR 50.46 and proposed 10 CFR 50.69
    - License renewal activities
    - AP1000 design
    - Preapplication review of ESBWR design
    - Power uprate review standard
    - Future ACRS activities
  - b) Improvement of the Quality of Risk Information for Regulatory Decisionmaking (TSK)
  - c) Materials Degradation Issues (JDS)
  - d) Reactor Oversight Process (WJS)

**6:15 - 6:30 P.M. \*\*\*BREAK\*\*\***

- 6) 6:30 - 7:30 P.M. Preparation of ACRS Reports (Open/Closed)
- 6.1) Fort. Calhoun License Renewal Application (MVB/GML/MDS/SD)
  - 6.2) Interim Review of the AP1000 Design (TSK/MME)
  - 6.3) Proactive Material Degradation Assessment Program (tentative) (FPF/BPJ)
  - 6.4) Safeguards and Security (Closed) (TSK/MVB/RPS/RKM)

**THURSDAY, OCTOBER 2, 2003, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 7) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open)
- 8) 8:35 - 9:00 A.M. Subcommittee Report on the Interim Review of the License Renewal Application for H. B. Robinson Nuclear Power Plant (Open) (GML/BPJ/SD)  
Report by and discussions with the Plant License Renewal Subcommittee Chairman regarding the Subcommittee's review of the H. B. Robinson License Renewal Application and the staff's draft Safety Evaluation Report with open items.
- 9) 9:00 - 9:15 A.M. Subcommittee Report on Fire Protection Matters (Open) (SLR/MDS)  
Report by and discussions with the Chairman of the Fire Protection Subcommittee regarding matters discussed at the September 9, 2003 meeting.

**9:15 - 9:30 A.M. \*\*\*BREAK\*\*\***

- 10) 9:30 - 11:30 A.M. Meeting with the NRC Commissioners (Open) (MVB et al./JTL et al.)  
The Committee will meet with the NRC Commissioners in the Commissioners' Conference Room, One White Flint North to discuss the matters listed under item 5.
- 11:30 - 12:30 P.M. \*\*\*LUNCH\*\*\***
- 11) 12:30 - 1:30 P.M. Review of the PIRT Process (Open) (GEA/HPN)  
Briefing by and discussions with Dr. Nourbakhsh, ACRS Senior Fellow, regarding his review of the Phenomena Identification and Ranking Table (PIRT) process.
- 1:30 - 1:45 P.M. \*\*\*BREAK\*\*\***
- 12) 1:45 - 3:45 P.M. Operating Experience Assessment Report - Effects of Grid Events on Nuclear Power Plant Performance (Open) (GML/SLR/MWW)  
12.1) Remarks by the Subcommittee Chairman  
12.2) Briefing by and discussions with representatives of NRC staff regarding the staff's report on the effects of grid events (1985-2001) on nuclear power plant performance and related matters.
- Representatives of the nuclear industry may provide their views, as appropriate.
- 3:45 - 4:00 P.M. \*\*\*BREAK\*\*\***
- 13) 4:00 - 6:00 P.M. Format and Content of the NRC Safety Research Program Report (Open) (DAP/SD/HPN)  
Report by and discussions with the Chairman of the Safety Research Program Subcommittee regarding format and content of the annual ACRS report to the Commission on the NRC Safety Research Program as well as assignments for the ACRS members.
- 6:00 - 6:15 P.M. \*\*\*BREAK\*\*\***
- 14) 6:15 - 7:30 P.M. Preparation of ACRS Reports (Open/Closed)  
Discussion of proposed ACRS reports on:  
14.1) Fort Calhoun License Renewal Application (MVB/GML/MDS/SD)  
14.2) Interim Review of the AP1000 Design (TSK/MME)  
14.3) Proactive Material Degradation Assessment Program (tentative) (FPF/BPJ)  
14.4) Operating Experience Assessment Report - Effects of Grid Events on Nuclear Power Plant Performance (tentative) (GML/SLR/MWW)  
14.5) Safeguards and Security (Closed) (TSK/MVB/RPS/RKM)

**FRIDAY, OCTOBER 3, 2003, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

- 15) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (MVB/JTL/SD)
- 16) 8:35 - 10:00 A.M. Draft Final Revision to Regulatory Guide 1.168 (DG-1123), "Verification, Validation, Review, and Audits for Digital Computer Software Used in Safety Systems of Nuclear Power Plants" (Open) (JDS/MME)
- 16.1) Remarks by the Subcommittee Chairman
- 16.2) Briefing by and discussions with representatives of the NRC staff regarding the Draft Final Revision to Regulatory Guide 1.168.

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

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

- 17) 10:15 - 10:45 A.M. Subcommittee Report on Reactor Fuels (Open) (DAP/RC)  
Report by and discussions with the Reactor Fuels Subcommittee Chairman regarding matters discussed at the September 29-30, 2003 meeting.

- 18) 10:45 - 11:45 A.M. Future ACRS Activities/Report of the Planning and Procedures Subcommittee (Open) (MVB/JTL/RPS)
- 18.1) Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee during future ACRS meetings.
- 18.2) Report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business, including anticipated workload and member assignments.

- 19) 11:45 - 12:00 Noon Reconciliation of ACRS Comments and Recommendations (Open) (MVB, 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\*\*\***

- 20) 1:00 - 7:00 P.M. Preparation of ACRS Reports (Open/Closed)  
Discussion of the proposed ACRS reports on:
- 20.1) Fort Calhoun License Renewal Application (MVB/GML/MDS/SD)
- 20.2) Interim Review of the AP1000 Design (TSK/MME)
- 20.3) Proactive Material Degradation Assessment Program (tentative) (FPF/BPJ)
- 20.4) Operating Experience Assessment Report - Effects of Grid Events on Nuclear Power Plant Performance (tentative) (GML/SLR/MWW)

- 20.5) Draft Final Revision to Regulatory Guide 1.168 (JDS/MME)
- 20.6) Safeguards and Security (Closed) (TSK/MVB/RPS/RKM)

**SATURDAY, OCTOBER 4, 2003, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**

21) 8:30 - 9:00 A.M. Safeguards and Security (Closed) (GEA/MVB/RPS)  
informed Discussion of issues for inclusion in the ACRS report on risk-  
vulnerability assessment and risk-informed decisionmaking.

[NOTE: This session will be closed pursuant to 5 U.S.C. 552b(c)(1)]

22) 9:00 - 1:00 P.M. Preparation of ACRS Reports (Open)  
**(10:00-10:15 A.M. BREAK)** Continue discussion of the proposed ACRS reports listed under  
Item 20.

23) 1:00 - 1:30 P.M. Miscellaneous (Open) (MVB/JTL)  
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.**
- **Forty-Five (45) copies of the presentation materials should be provided to the ACRS.**

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