



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

May 7, 2008

The Honorable Dale E. Klein
Chairman
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

SUBJECT: SUMMARY REPORT – 551st MEETING OF THE ADVISORY COMMITTEE ON REACTOR SAFEGUARDS, APRIL 10-12, 2008, AND OTHER RELATED ACTIVITIES OF THE COMMITTEE

Dear Chairman Klein:

During its 551st meeting, April 10-12, 2008, the Advisory Committee on Reactor Safeguards (ACRS) discussed several matters and completed the following reports, letter, and memoranda.

REPORTS

Reports to Dale E. Klein, Chairman, NRC, from William J. Shack, Chairman, ACRS:

- Digital Instrumentation and Control Systems Interim Staff Guidance, dated April 29, 2008.
- Draft NUREG-1902, "Next Generation Nuclear Plant Licensing Strategy Report," dated April 30, 2008. [Official Use Only]
- Hope Creek Generating Station Extended Power Uprate Application, dated May 5, 2008.

LETTER

Letter to Luis A. Reyes, Executive Director for Operations, NRC, from William J. Shack, Chairman, ACRS:

- Response to your April 7, 2008 Letter Regarding State-of-the-Art Reactor Consequences Analyses (SOARCA) Project, dated April 21, 2008.

MEMORANDA

Memoranda to Luis A. Reyes, Executive Director for Operations, NRC, from Frank P. Gillespie, Executive Director, ACRS:

- Proposed Regulatory Guides/Withdrawal of Certain Regulatory Guides, dated April 23, 2008.

- Regulatory Guide 1.210, dated April 23, 2008.
- Proposed Stretch Power Uprate to Millstone Power Station, Unit 3, dated April 23, 2008.
- ACRS Review of Power Uprates, dated April 23, 2008.

HIGHLIGHTS OF KEY ISSUES

1. Extended Power Uprate Application for the Hope Creek Generating Station

The Committee met with representatives of the NRC staff, PSEG Nuclear LLC, “the licensee”, and their respective consultants to discuss the Hope Creek Generating Station (HCGS) extended power uprate (EPU) application and the associated NRC staff’s Safety Evaluation. PSEG has applied for an EPU of approximately 15 percent above the current licensed thermal power of 3,339 megawatts thermal (MWt) to 3,840 MWt. This uprate also represents approximately a 17 percent increase from the original licensed thermal power of 3,293 MWt.

The Committee focused on the steam dryer performance, containment response, and analytical methods review. The steam dryer integrity was the key discussion topic. PSEG does not plan to replace the steam dryer and justified the basis for this decision citing: the merits of its main steam line configuration; the previous performance of the HCGS steam dryer in terms of acoustic vibration history and cracking; the predicted stress ratio, which showed sufficient margin; and the benefits of the deliberate power ascension testing and monitoring.

Committee Action

The Committee issued a report to the NRC Chairman on this matter, dated May 5, 2008, recommending that the (HCGS) (EPU) application be approved.

2. Proposed Licensing Strategy for the Next Generation Nuclear Plant

The Committee met with representatives of the NRC staff, Department of Energy (DOE), and Idaho National Laboratory (INL) to discuss Revision 15 of draft NUREG-1902, “Next Generation Nuclear Plant Licensing Strategy Report.” NUREG-1902 is not publicly available at this time and will be published in conjunction with the submittal of the licensing strategy report to the Congress.

The NRC staff discussed the licensing strategy, prepared jointly by the NRC and DOE, for a full-scale prototype Next Generation Nuclear Plant (NGNP) to be built at the INL facility and operational by 2021. The Energy Policy Act of 2005 (EPAct) mandated such preparation and submittal of the strategy to Congress by August 7, 2008. The NGNP must be able to provide process heat to an adjacent industrial facility for generation of hydrogen. The EPAct also requires that the NRC and DOE identify how current light water reactor requirements could be adapted for the NGNP and the needed analytical tools, research and development, and infrastructure development.

The NGNP as currently envisioned by the DOE is a very high temperature, graphite moderated, gas-cooled reactor with TRISO-coated particle fuel. DOE and NRC established several Phenomena Identification and Ranking Table (PIRT) panels, comprised of subject matter experts that identified and ranked significant phenomena in five areas. The panel identified knowledge gaps and a need for data generation, models, analytical tools, and infrastructure for technical basis and licensing review.

The NRC staff discussed the licensing process options that were considered, key technical and program needs, as well as policy issues. Highlights of the PIRT findings were also discussed. The NRC staff described the technical and regulatory challenges and the next steps to be undertaken.

Committee Action

The Committee issued a report to the NRC Chairman on this matter, dated April 30, 2008, recommending that draft NUREG-1902 be issued. The Committee concurred with the NRC/DOE staff recommendation on the prototype NGNP licensing and technical approach. The Committee also provided recommendations on the use of the risk-informed and performance-based technology-neutral licensing framework for any future commercial NGNP.

[Note: Given the predecisional nature of the licensing strategy report before its submittal to Congress, the ACRS report will not be made available to the public.]

3. Digital Instrumentation and Controls (I&C) Interim Staff Guidance (ISG)

The Committee met with representatives of the NRC staff, Nuclear Energy Institute (NEI), and Electric Power Research Institute (EPRI) to discuss three new ISG documents issued by the NRC staff on Cyber Security, Review of New Reactor Digital I&C Probabilistic Risk Assessments (PRAs), and Digital I&C Licensing Process. The staff also discussed progress associated with the assessment of operating experience in the nuclear and other industries to obtain insights regarding potential failure modes to be used for inventory and classification of Digital I&C in nuclear power plants.

The ISG on Cyber Security clarifies the staff's guidance regarding the implementation of cyber security requirements and facilitates the licensing process when NEI 04-04, Revision 2, "Cyber Security Program for Power Reactors," is used in lieu of Regulatory Guide (RG) 1.152 Revision 2, "Criteria for Use of Computers in Safety Systems of Nuclear Power Plants." The staff plans to issue additional guidance on cyber-security to support a new rule 10 CFR 73.54. This will provide guidance for licensees and the applicants pertaining to the development of cyber security programs that meet the requirements of the proposed rule. In addition, it provides guidance to address the design basis threat of cyber attack to prevent radiological sabotage and the theft or diversion of formula quantities of strategic special nuclear material.

The draft ISG on the Review of New Reactor Digital I&C PRAs provides acceptable methods for evaluating risk assessments of Digital I&C systems. This guidance describes how NRC reviewers should evaluate Digital I&C system PRAs, including addressing inclusion of common-cause failures in PRAs and uncertainty analysis associated with new reactor digital systems.

The draft ISG on Digital I&C Licensing Process clarifies the licensing criteria that the staff will use for nuclear plant license amendments in confirming that a proposed design meets applicable requirements.

Representatives of EPRI and NEI addressed key issues of their evaluation research on operating experience to learn more about the failure modes of components and systems.

Committee Action

The Committee issued a report to NRC Chairman on this matter, dated April 29, 2008. The Committee concluded that the ISG on Cyber Security will clarify the staff's guidance regarding the implementation of cyber security requirements and will facilitate the licensing process. The Committee recommended that the draft ISG on the Review of New Reactor Digital I&C PRAs be revised to emphasize the importance of the identification of failure modes, deemphasize sensitivity studies that deal with probabilities, and discuss the current limitations in Digital I&C PRAs.

RECONCILIATION OF ACRS COMMENTS AND RECOMMENDATIONS/EDO COMMITMENTS

- The Committee considered the EDO's response of April 7, 2008, to comments and recommendations included in the February 25, 2008 ACRS report on the State-of-the-Art Reactor Consequence Analyses Project. The Committee decided that it was not satisfied with the EDO's response, and issued a letter to the EDO on this matter, dated April 21, 2008
- The Committee considered the EDO's response of April 1, 2008, to comments and recommendations included in the February 28, 2008, ACRS letter concerning the Cable Response to Live Fire (CAROLFIRE) and Fire Model Improvements Program. The Committee decided that it was satisfied with the EDO's response.
- The Committee considered the EDO's response of March 27, 2008, to comments and recommendations included in the February 22, 2008, ACRS letter concerning the Draft Final Revision 1 to (RG) 1.45 (DG-1173), "Guidance on Monitoring and Responding to Reactor Coolant System Leakage." The Committee decided that it was satisfied with the EDO's response.

OTHER RELATED ACTIVITIES OF THE COMMITTEE

During the period from March 8, 2008 through April 9, 2008, the following Subcommittee meetings were held:

- Thermal-Hydraulic Phenomena — March 19, 2008

The Subcommittee reviewed the Pressurized Water Reactor Owners Group (PWROG) Report, WCAP-16793-NP, Revision 0, "Evaluation of Long-Term Cooling Considering Particulate, Fibrous and Chemical Debris in the Recirculating Fluid," and the NRC staff's safety evaluation.

- Digital I&C Systems – March 20, 2008

The Subcommittee reviewed three ISG documents and discussed progress associated with the operational experience review and digital categorization update.

- Power Upgrades – March 20-21, 2008

The Subcommittee reviewed the application by PSEG Nuclear LLC, for an extended power uprate for the HCGS and the associated NRC staff's safety evaluation.

- ESBWR – April 9, 2008

The Subcommittee discussed several SER Chapters with open items associated with the ESBWR design certification application.

- Planning and Procedures – April 9, 2008

The Subcommittee discussed proposed ACRS activities, practices, and procedures for conducting Committee business and organizational and personnel matters relating to ACRS and its staff.

LIST OF MATTERS FOR THE ATTENTION OF THE EDO

- The Committee plans to continue its review of the NGNP design and research and development program during future meetings.
- The Committee plans to continue its review of the matters related to Digital Instrumentation and Control (DI&C) during future meetings.
- The Committee would like the opportunity to review the draft final version of the RG listed in the memorandum "Proposed RGs/Withdrawal of Certain RGs," dated April 23, 2008, from Frank P. Gillespie, Executive Director, ACRS, to Luis A. Reyes, Executive Director for Operations.
- The Committee would like the opportunity to review any power uprate amendment, regardless of the level of the individual amendment, which would result in a cumulative power increase greater than 7 percent of the original licensed thermal power.
- The Committee plans to review the Millstone Power Station Unit 3 stretch power uprate application and the associated NRC staff's safety evaluation during its July 2008 meeting.

PROPOSED SCHEDULE FOR THE 552nd ACRS MEETING

The Committee agreed to consider the following topics during the 552nd ACRS meeting, to be held on May 8-10, 2008:

- Selected Chapters of the SER Associated with the ESBWR Design Certification Application
- Insights from PHEBUS – FP Tests
- Draft Brookhaven National Laboratory (BNL) NUREG/CR Report on PRA Methods for Digital Systems
- ACRS Response to the EDO's response, dated January 17, 2008, to the December 20, 2007, ACRS Report on the Susquehanna Extended Power Uprate Application

Sincerely,

/RA/

William J. Shack
Chairman

- Selected Chapters of the SER Associated with the ESBWR Design Certification Application
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Sincerely,
/RA/
William J. Shack
Chairman

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

May 22, 2008

MEMORANDUM TO: Sherry Meador, Technical Secretary
Advisory Committee on Reactor Safeguards

FROM: Cayetano Santos, Chief */RA/*
Reactor Safety Branch
Advisory Committee on Reactor Safeguards

SUBJECT: MINUTES OF THE 551st MEETING OF THE ADVISORY
COMMITTEE ON REACTOR SAFEGUARDS (ACRS),
April 10-12, 2008

I certify that based on my review of the minutes from the 551st ACRS Full Committee meeting, and to the best of my knowledge and belief, I have observed no substantive errors or omissions in the record of this proceeding subject to the comments noted below.

OFFICE	ACRS	ACRS:RSB
NAME	SMeador	CSantos/sam
DATE	05/ 22 /08	05/22/08

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CERTIFIED

Date Issued: 5/14/2008

Date Certified: 5/22/2008

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- III. Attendees
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MINUTES OF THE 551st MEETING OF THE
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
April 10-12, 2008
ROCKVILLE, MARYLAND

The 551st meeting of the Advisory Committee on Reactor Safeguards (ACRS) was held in Conference Room 2B3, Two White Flint North Building, Rockville, Maryland, on April 10-12, 2008. Notice of this meeting was published in the *Federal Register* on March 26, 2008 (72 FR 16076) (Appendix I). The purpose of this meeting was to discuss and take appropriate action on the items listed in the meeting schedule and outline (Appendix II). The meeting was open to public attendance.

A transcript of selected portions of the meeting is available in the NRC's Public Document Room at One White Flint North, Room 1F-19, 11555 Rockville Pike, Rockville, Maryland. Copies of the transcript are available for purchase from Neal R. Gross and Co., Inc., 1323 Rhode Island Avenue, NW, Washington, DC 20005. Transcripts are also available at no cost to download from, or review on, the Internet at <http://www.nrc.gov/ACRS/ACNW>.

ATTENDEES

ACRS Members: Dr. William J. Shack (Chairman), Dr. Mario V. Bonaca (Vice-Chairman), Dr. Said Abdel-Khalik (Member-at-Large), Dr. George E. Apostolakis, Dr. Sam Armijo, Dr. Sanjoy Banerjee, Dr. Dennis Bley, Dr. Michael Corradini, Mr. Otto L. Maynard, Dr. Dana A. Powers, Mr. Jack Sieber, and Mr. John Stetkar. For a list of other attendees, see Appendix III.

I. Chairman's Report (Open)

[Note: Mr. Sam Duraiswamy was the Designated Federal Official for this portion of the meeting.]

Dr. William J. Shack, Committee Chairman, convened the meeting at 8:30 a.m. In his opening, he announced that the meeting was being conducted in accordance with the provisions of the Federal Advisory Committee Act. He reviewed the agenda items for discussion and noted that no written comments or requests for time to make oral statements from members of the public had been received. Dr. Shack also noted that a transcript of the open portions of the meeting was being kept and speakers were requested to identify themselves and speak with clarity and volume. He discussed the items of current interest and other administrative details for consideration by the full Committee.

II. Extended Power Uprate Application for the Hope Creek Generating Station

[Note: Ms. Zena Abdullahi was the Designated Federal Official for this portion of the meeting.]

The Committee met with representatives of the NRC staff, PSEG Nuclear LLC, "the licensee", and their respective consultants to discuss the Hope Creek Generating Station (HCGS) extended power uprate (EPU) application and the associated NRC staff's Safety Evaluation. PSEG has applied for an EPU of approximately 15 percent above the current licensed thermal

power of 3,339 megawatts thermal (MWt) to 3,840 MWt. This uprate also represents approximately a 17 percent increase from the original licensed thermal power of 3,293 MWt.

The Committee focused on the steam dryer performance, containment response, and analytical methods review. The steam dryer integrity was the key discussion topic. PSEG does not plan to replace the steam dryer and justified the basis for this decision citing: the merits of its main steam line configuration; the previous performance of the HCGS steam dryer in terms of acoustic vibration history and cracking; the predicted stress ratio, which showed sufficient margin; and the benefits of the deliberate power ascension testing and monitoring.

III. Proposed Licensing Strategy for the Next Generation Nuclear Plant (NGNP)

[Note: Ms. Maitri Banerjee was the Designated Federal Official for this portion of the meeting.]

The Committee met with representatives of the NRC staff, Department of Energy (DOE), and Idaho National Laboratory (INL) to discuss Revision 15 of draft NUREG-1902, "Next Generation Nuclear Plant Licensing Strategy Report." NUREG-1902 is not publicly available at this time and will be published in conjunction with the submittal of the licensing strategy report to the Congress.

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The NRC staff discussed the licensing process options that were considered, key technical and program needs, as well as policy issues. Highlights of the PIRT findings were also discussed. The NRC staff described the technical and regulatory challenges and the next steps to be undertaken.

[Note: Given the predecisional nature of the licensing strategy report before its submittal to Congress, the ACRS report will not be made available to the public.]

IV. Digital Instrumentation and Controls (I&C) Interim Staff Guidance and Related Matters

[Note: Ms. Christina Antonescu was the Cognizant Engineer and Mr. Girija Shukla was the Designated Federal Official for this portion of the meeting.]

The Committee met with representatives of the NRC staff, Nuclear Energy Institute (NEI), and Electric Power Research Institute (EPRI) to discuss three new ISG documents issued by the NRC staff on Cyber Security, Review of New Reactor Digital I&C Probabilistic Risk Assessments (PRAs), and Digital I&C Licensing Process. The staff also discussed progress associated with the assessment of operating experience in the nuclear and other industries to obtain insights regarding potential failure modes to be used for inventory and classification of Digital I&C in nuclear power plants.

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The draft ISG on Digital I&C Licensing Process clarifies the licensing criteria that the staff will use for nuclear plant license amendments in confirming that a proposed design meets applicable requirements.

Representatives of EPRI and NEI addressed key issues of their evaluation research on operating experience to learn more about the failure modes of components and systems.

V. Executive Session

[Note: Mr. Frank Gillespie was the Designated Federal Official for this portion of the meeting.]

A. Reconciliation of ACRS Comments and Recommendations/EDO Commitments

- The Committee considered the EDO's response of April 7 2008, to comments and recommendations included in the February 25, 2008 ACRS report on the State-of-the-Art Reactor Consequence Analyses Project. The Committee decided that it was not satisfied with the EDO's response, and issued a letter to the EDO on this matter, dated April 21, 2008.

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- The Committee considered the EDO's response of March 27, 2008, to comments and recommendations included in the February 22, 2008, ACRS letter concerning the Draft Final Revision 1 to (RG) 1.45 (DG-1173), "Guidance on Monitoring and Responding to Reactor Coolant System Leakage." The Committee decided that it was satisfied with the EDO's response.

B. Report on the Planning and Procedures Subcommittee Meeting

Review of the Member Assignments and Priorities for ACRS Reports and Letters for the April ACRS Meeting

Member assignments and priorities for ACRS reports and letters for the April ACRS meeting were discussed. Reports and letters that would benefit from additional consideration at a future ACRS meeting were also discussed.

Anticipated Workload for ACRS Members

The anticipated workload for ACRS members through June 2008 was discussed. The objectives were:

- Review the reasons for the scheduling of each activity and the expected work product and to make changes, as appropriate
- Manage the member's' workload for these meetings
- Plan and schedule items for ACRS discussion of topical and emerging issues

Also during this session, the Subcommittee discussed and developed recommendations on items requiring future Committee action.

Proposed Topics for Meeting With the NRC Commissioners

The ACRS is scheduled to meet with the Commission on Thursday, June 5, 2008. The following topics, were discussed and approved by the Committee for the meeting, and forwarded to the Office of the Secretary requesting Commission feedback.

Chairman Klein and Commissioner Lyons approved the list of topics; however, Commissioner Lyons added a topic under Overview regarding “How the ACRS will handle future review of Materials and Waste Management Issues” along with Significant Accomplishments, License Renewal, Future Plant Activities, and Ongoing / Future Activities. Other topics include the Safety Research Program Report, Digital I&C Matters, State-of-the-Art Reactor Consequence Analyses, ESBWR Design Certification, and Extended Power Upgrades.

Annual Plant Visit and Meeting With the Regional Administrator

During its March 2008 meeting, the Committee decided to visit LaSalle Nuclear Plant and meet with the Region III Administrator. Subsequently, based on the input provided by members the week of July 21, 2008 has been tentatively selected for this visit. It was noted that La Salle will be conducting operator licensing examinations during that week, so the Chairman of the Plant Operations and Fire Protection Subcommittee recommended that the members visit the Byron plant.

Commission Approval of the Press Release and *Federal Register* Notice to Solicit Qualified Candidates for Appointment to the ACRS

In a Staff Requirements Memorandum, dated March 13, 2008, the Commission stated that it has approved the proposed Solicitation to fill a vacancy on the ACRS. The following comments were suggested as changes to the solicitation.

- “Since there is currently only one vacancy on the ACRS, the solicitation for a candidate for appointment to the ACRS should be one position in the area of nuclear materials and radiation protection. The staff should continue its current (and separate) effort to obtain additional expertise such as digital instrumentation and control for the ACRS as future openings permit.
- The *Federal Register* Notice and press release should be revised to state that the ACRS may be requested to provide advice on radiation protection, radioactive waste management and earth sciences in the agency’s licensing reviews for fuel fabrication and enrichment facilities, waste disposal facilities, and facilities related to the Department of Energy’s Global Nuclear Energy Partnership.”

The *Federal Register* Notice and Press Release have been changed to incorporate the Commission comments.

Commission Decision on the OIG Recommendation Regarding the Applicability of the Backfit Rule to License Renewal Applications

During its February 2008 ACRS meeting, the Committee was informed of the OIG recommendations for improving the License Renewal Program. One of the recommendations was that the Commission

“Affirm or modify the 1995 Commission’s Statement of Considerations Position regarding the applicability of the Backfit Rule to license renewal applicants.”

We informed the Committee that the staff and OIG disagreed regarding the applicability of the Backfit Rule to license renewal. The Commission was in the process of resolving this matter. The Committee requested to be kept informed of the resolution of this issue. In a March 25, 2008 Staff Memorandum **(OFFICIAL USE ONLY)**, the Commission stated the following:

“While the Report correctly observes that the backfit rule applies to operating license holders, the Report does not provide any new information that would justify applying the backfit rule to license renewal applicants. The Commission’s prior determinations that the backfit rule should not apply to license renewal applicants were well-justified. The relevant rulemaking history for both the backfit and license renewal rules made clear that the backfit rule was not intended to extend to prospective applicants, but only when the NRC was attempting to require a present licensee to meet new standards in order to remain in possession of a currently held license. Furthermore, a license renewal review is entirely prospective in nature, as it is aimed at a renewed license that has not yet been issued. There is no basis to alter the terms of a renewal applicant’s currently held license during the course of a renewal review. Therefore, the backfit rule applies to operating license holders insofar as they have currently held operating licenses, but not insofar as they are license renewal applicants voluntarily requesting renewed licenses. Accordingly, the Commission’s present policy on this issue remains valid and does not require formal reaffirmation or modification.”

Release of Status Reports for ACRS Meetings which are prepared by the ACRS Staff Engineers

The ACRS staff engineers prepare status reports for the Subcommittee and full Committee meetings. In these status reports, the engineers generally identify technical issues of concern that need to be explored by the members during the meetings. The status reports also provide personal views and technical insights for consideration by the members during the discussion of a specific matter. It has been the long-standing policy of the ACRS Office to treat these status reports, especially those that contain personal views of the engineers, as “Internal ACRS Use Only” documents. As such, these reports were not provided to the NRC staff. The staff rarely requests copies of these status reports. However, it happens occasionally. Under such circumstances, we need to maintain the current policy of not releasing the status reports, specifically those that contain personal views of the engineers, outside the ACRS Office. The Committee needs to decide whether the engineers should continue with the existing policy.

Quadripartite Working Group Meeting

France's Groupe Permanent Réacteurs (GPR) will host the second Quadripartite Working Group (WG) meeting in France on October 9-10, 2008 on the general topic of "EPR". Drs. Bonaca and Powers, and Mr. Stetkar will be attending the meeting on behalf of ACRS. The proposed agenda was discussed. Japan's NSC and Germany's RSK have reviewed the Agenda and agree with the presentations listed for their respective countries.

Based on the topics that ACRS discussed, the proposed Agenda lists the following topics that will be discussed (1) EPR Certifications; (2) Fire as an Internal & External Hazard; (3) PSA; and (4) Thermal-hydraulics – Advanced Methods.

Travel Request

Dr. Apostolakis has requested Committee approval and support to attend the Workshop on Updates to Existing PSHAs, scheduled to be held on May 6-7, 2008, at USGA in Menlo Park, CA.

statement may be further limited depending on the number of written requests to make an oral statement that are submitted in accordance with section C below and/or the number of persons present at the designated times. In addition, in the case of the Monday evening session, although an individual who previously addressed the Licensing Board at the Sunday afternoon limited appearance session may request an opportunity to make an additional presentation, the Board reserves the right to defer such additional presentations until after it has heard from speakers who have not had an opportunity to make an initial presentation.

C. Submitting a Request To Make an Oral Limited Appearance Statement

Persons wishing to make an oral statement who have submitted a timely written request to do so will be given priority over those who have not filed such a request. To be considered timely, a written request to make an oral statement must either be mailed, faxed, or sent by e-mail so as to be received by 5 p.m. EDT on Friday, April 18, 2008. The request must specify the session (Sunday or Monday) during which the requester wishes to make an oral statement. Based on its review of the requests received by April 18, 2008, the Licensing Board may decide that the Sunday afternoon and/or Monday evening sessions will not be held due to a lack of adequate interest in those sessions.

Written requests to make an oral statement should be submitted to:

Mail: Administrative Judge G. Paul Bollwerk III, Atomic Safety and Licensing Board Panel, Mail Stop T-3 F23, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

Fax: (301) 415-5599 (verification (301) 415-6094).

E-mail: map4@nrc.gov and gpb@nrc.gov.

D. Submitting Written Limited Appearance Statements

A written limited appearance statement may be submitted to the Board regarding this proceeding at any time. Such statements should be sent to the Office of the Secretary using one of the methods prescribed below, with a copy sent to the Licensing Board Chairman using the same method at the mail/e-mail address or fax number listed in section C above.

Mail: Office of the Secretary, Rulemakings and Adjudications Staff, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

Fax: (301) 415-1101 (verification (301) 415-1966).

E-mail: hearingdocket@nrc.gov.

E. Availability of Documentary Information Regarding the Proceeding

General information regarding the Vogtle ESP proceeding can be found on the agency's Web site at <http://www.nrc.gov/reactors/new-licensing/esp/vogtle.html>. Additionally, documents relating to this proceeding are available for public inspection at the Commission's Public Document Room (PDR), located at One White Flint North, 11555 Rockville Pike (first floor), Rockville, Maryland, or electronically from the publicly available records component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).² Persons who do not have access to ADAMS or who encounter problems in accessing the documents located in ADAMS should contact the NRC PDR reference staff by telephone at (800) 397-4209 or (301) 415-4737, or by e-mail to pdr@nrc.gov.

F. Scheduling Information Updates

Any updated/revised scheduling information regarding the limited appearance sessions can be found on the NRC Web site at <http://www.nrc.gov/public-involve/public-meetings/index.cfm> or by calling (800) 368-5642, extension 5036, or (301) 415-5036.

It is so ordered.

Dated Rockville, Maryland: March 20, 2008.

For the Atomic Safety and Licensing Board.³

G. Paul Bollwerk III,
Administrative Judge.

[FR Doc. E8-6157 Filed 3-25-08; 8:45 am]

BILLING CODE 7590-01-P

NUCLEAR REGULATORY COMMISSION

Advisory Committee on Reactor Safeguards; Meeting Notice

In accordance with the purposes of Sections 29 and 182b. of the Atomic Energy Act (42 U.S.C. 2039, 2232b), the

² Some documents determined by the staff to contain "sensitive" information are publicly available only in redacted form; non-sensitive documents are publicly available in their complete form. In addition, some documents that may contain information proprietary to SNC are publicly available only in redacted form.

³ Copies of this memorandum and order were sent this date by the agency's E-Filing system to counsel for (1) applicant SNC; (2) Joint Intervenor; and (3) the staff.

Advisory Committee on Reactor Safeguards (ACRS) will hold a meeting on April 10-12, 2008, 11545 Rockville Pike, Rockville, Maryland. The date of this meeting was previously published in the **Federal Register** on Monday, October 22, 2007 (72 FR 59574).

Thursday, April 10, 2008, Conference Room T-2b3, Two White Flint North, Rockville, Maryland

8:30 a.m.-8:35 a.m.: *Opening Remarks by the ACRS Chairman* (Open)—The ACRS Chairman will make opening remarks regarding the conduct of the meeting.

8:35 a.m.-11:30 a.m.: *Extended Power Uprate Application for the Hope Creek Generating Station* (Open/Closed)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff and PSEG Nuclear, LLC, regarding the Extended Power Uprate Application for the Hope Creek Generating Station and the associated NRC staff's Safety Evaluation. [Note: A portion of this session may be closed to discuss and protect information that is proprietary to PSEG Nuclear, LLC, and their contractors pursuant to 5 U.S.C. 552b(c)(4).]

12:30 p.m.-2:30 p.m.: *Pressurized Water Reactor Owners Group (PWROG) Topical Report WCAP-16793-NP, "Evaluation of Long-Term Cooling Considering Particulate, Fibrous, and Chemical Debris in the Recirculating Fluid"* (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff and PWROG regarding the NRC staff's draft Safety Evaluation associated with the PWROG Topical Report WCAP-16793-NP, and related matters.

2:45 p.m.-4:45 p.m.: *Proposed Licensing Strategy for the Next Generation Nuclear Plant (NGNP)* (Closed)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff and Department of Energy regarding the proposed licensing strategy for the Next Generation Nuclear Plant. [Note: This session will be closed to prevent disclosure of information the premature disclosure of which would be likely to significantly frustrate implementation of a proposed agency action pursuant to 5 U.S.C. 552b (c)(9)(B).]

5 p.m.-7 p.m.: *Preparation of ACRS Reports* (Open/Closed)—The Committee will discuss proposed ACRS reports on matters considered during this meeting, as well as a response to the EDO Response to the December 20, 2007, ACRS Report on the Susquehanna Power Uprate Application. [Note: The

discussion of the proposed ACRS report on the Licensing Strategy for the Next Generation Nuclear Plant will be closed to prevent disclosure of information the premature disclosure of which would be likely to significantly frustrate implementation of a proposed agency action pursuant to 5 U.S.C. 552b (c)(9) (B).]

Friday, April 11, 2008, Conference Room T-2b3, Two White Flint North, Rockville, Maryland

8:30 a.m.-8:35 a.m.: Opening Remarks by the ACRS Chairman (Open)—The Chairman will make opening remarks regarding the conduct of the meeting.

8:35 a.m.-10:30 a.m.: Digital Instrumentation and Controls (I&C) Interim Staff Guidance and Related Matters (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff and Nuclear Energy Institute (NEI) regarding Digital I&C interim staff guidance, assessment of Digital System Operating Experience, Digital Reliability Modeling research, and related matters.

10:45 a.m.-11:30 a.m.: Future ACRS Activities/Report of the Planning and Procedures Subcommittee (Open)—The Committee will discuss recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee during future meetings. Also, it will hear a report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business, including anticipated workload and member assignments.

11:30 a.m.-11:45 a.m.: Reconciliation of ACRS Comments and Recommendations (Open)—The Committee will discuss the responses from the NRC Executive Director for Operations to comments and recommendations included in recent ACRS reports.

12:45 p.m.-7 p.m.: Preparation of ACRS Reports (Open/Closed)—The Committee will discuss proposed ACRS reports. [Note: The discussion of the proposed ACRS report on the Licensing Strategy for the Next Generation Nuclear Plant will be closed to prevent disclosure of information the premature disclosure of which would be likely to significantly frustrate implementation of a proposed agency action pursuant to 5 U.S.C. 552b (c)(9)(B).]

Saturday, April 12, 2008, Conference Room T-2b3, Two White Flint North, Rockville, Maryland

8:30 a.m.-1 p.m.: Preparation of ACRS Reports (Open/Closed)—The Committee will discuss proposed ACRS

reports. [Note: The discussion of the proposed ACRS report on the Licensing Strategy for the Next Generation Nuclear Plant will be closed to prevent disclosure of information the premature disclosure of which would be likely to significantly frustrate implementation of a proposed agency action pursuant to 5 U.S.C. 552b (c)(9)(B).]

1 p.m.-1:30 p.m.: Miscellaneous (Open)—The Committee will discuss 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.

Procedures for the conduct of and participation in ACRS meetings were published in the **Federal Register** on September 26, 2007 (72 FR 54695). In accordance with those procedures, oral or written views may be presented by members of the public, including representatives of the nuclear industry. Electronic recordings will be permitted only during the open portions of the meeting. Persons desiring to make oral statements should notify the Cognizant ACRS staff named below five days before the meeting, if possible, so that appropriate arrangements can be made to allow necessary time during the meeting for such statements. Use of still, motion picture, and television cameras during the meeting may be limited to selected portions of the meeting as determined by the Chairman. Information regarding the time to be set aside for this purpose may be obtained by contacting the Cognizant ACRS staff prior to the meeting. In view of the possibility that the schedule for ACRS meetings may be adjusted by the Chairman as necessary to facilitate the conduct of the meeting, persons planning to attend should check with the Cognizant ACRS staff if such rescheduling would result in major inconvenience.

In accordance with Subsection 10(d) P.L. 92-463, I have determined that it may be necessary to close portions of this meeting noted above to discuss and protect information classified as proprietary to PSEG Nuclear, LLC, or their contractors pursuant to 5 U.S.C. 552b(c)(4), and information the premature disclosure of which would be likely to significantly frustrate implementation of a proposed agency action pursuant to 552b(c)(9)(b).

Further information regarding topics to be discussed, whether the meeting has been canceled or rescheduled, as well as the Chairman's ruling on requests for the opportunity to present oral statements and the time allotted therefor can be obtained by contacting Mr. Girija S. Shukla, Cognizant ACRS

staff (301-415-6855), between 7:30 a.m. and 4 p.m., (ET). ACRS meeting agenda, meeting transcripts, and letter reports are available through the NRC Public Document Room at pdr@nrc.gov, or by calling the PDR at 1-800-397-4209, or from the Publicly Available Records System (PARS) component of NRC's document system (ADAMS) which is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> or <http://www.nrc.gov/reading-rm/doc-collections/> (ACRS & ACNW Mtg schedules/agendas).

Video teleconferencing service is available for observing open sessions of ACRS meetings. Those wishing to use this service for observing ACRS meetings should contact Mr. Theron Brown, ACRS Audio Visual Technician (301-415-8066), between 7:30 a.m.-and 3:45 p.m., (ET), at least 10 days before the meeting to ensure the availability of this service. Individuals or organizations requesting this service will be responsible for telephone line charges and for providing the equipment and facilities that they use to establish the video teleconferencing link. The availability of video teleconferencing services is not guaranteed.

Dated: March 20, 2008.

Andrew L. Bates,
Advisory Committee Management Officer.
[FR Doc. E8-6156 Filed 3-25-08; 8:45 am]
BILLING CODE 7590-01-P

NUCLEAR REGULATORY COMMISSION

[Docket No. PAPO-001; ASLBP No. 08-861-01-PAPO-BD01]

Department of Energy; High-Level Waste Repository: Pre-Application Matters, Advisory PAPO Board; Notice of Reconstitution

Pursuant to 10 CFR 2.313 and 2.321, the Atomic Safety and Licensing Board in the above captioned United States Department of Energy proceeding is hereby reconstituted by appointing Administrative Judge Paul S. Ryerson in place of Administrative Judge E. Roy Hawken.

In accordance with 10 CFR 2.302, henceforth all correspondence, documents, and other material relating to any matter in this proceeding over which this Licensing Board has jurisdiction should be served on Judge Ryerson as follows: Administrative Judge Paul S. Ryerson, Atomic Safety and Licensing Board Panel, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.



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

Appendix II

March 20, 2008

**AGENDA
551st ACRS MEETING
APRIL 10 - 12, 2008**

**THURSDAY, APRIL 10, 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 - 11:30 A.M. Extended Power Uprate Application for the Hope Creek
Generating Station (Open/Closed) (SAK/ZA)
10:00 – 10:15 A.M.
*****BREAK*****
 - 2.1) Remarks by the Subcommittee Chairman
 - 2.2) Briefing by and discussions with representatives of the NRC staff and the PSEG Nuclear Company regarding the Extended Power Uprate Application for the Hope Creek Generating Station and the associated NRC staff's Safety Evaluation.

[Note: A portion of this session may be closed to discuss and protect information that is proprietary to PSEG Nuclear, LLC, and their contractors pursuant to 5 U.S.C. 552b(c)(4).]

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

- ~~11:30 – 12:30 P.M.~~**
12:00 – 1:00 p.m. *****LUNCH*****
- 3) ~~12:30 – 2:30 P.M.~~
1:05 – 2:45 p.m. Preparation of ACRS Reports (Open/Closed)
Discussion of proposed ACRS reports on:
 - 3.1) Hope Creek Extended Power Uprate Application (SAK/ZA)
 - 3.2) Response to the EDO Response to the December 20, 2007 ACRS Report on the Susquehanna Power Uprate Application) (SB/ZA)
 - 3.3) Proposed Licensing Strategy for the Next Generation Nuclear Plant (NGNP) (MLC/MB) **(Closed)**
- 2:30 - 2:45 P.M.** *****BREAK*****

- 4) ~~2:45~~ – 4:45 P.M.
2:50 Proposed Licensing Strategy for the Next Generation Nuclear Plant (NGNP) (Closed) (MLC/MB)
- 4.1) Remarks by the Subcommittee Chairman
 - 4.2) Briefing by and discussions with representatives of the NRC staff and Department of Energy regarding the proposed licensing strategy for the Next Generation Nuclear Plant.

[Note: This session will be closed to prevent disclosure of information the premature disclosure of which would be likely to significantly frustrate implementation of a proposed agency action pursuant to 5 U.S.C. 552b (c)(9) (b)]

4:45 - 5:00 P.M. *BREAK*****

- 5) 5:00 - 7:00 P.M.
7:15 p.m. Preparation of ACRS Reports (Open/Closed)
Continued discussion of proposed ACRS reports from item #3.

FRIDAY, APRIL 11, 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 - 10:30 A.M.
11:04 a.m. Digital Instrumentation and Controls (I&C) Interim Staff Guidance and Related Matters (Open) (GEA/GSS/CEA)
- 7.1) Remarks by the Subcommittee Chairman
 - 7.2) Briefing by and discussions with representatives of the NRC staff and Nuclear Energy Institute (NEI) regarding Digital I&C interim staff guidance on Cyber Security, Licensing Process, and Review of New Reactor Digital I&C PRAs, as well as assessment of Digital System Operating Experience Data and Digital Categorization Update, current status of Traditional Methods Digital Reliability Modeling research, and related matters.

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

**~~10:30 – 10:45 A.M.~~
11:05 – 11:15 a.m. ***Break*****

- 8) ~~10:45 – 11:30 A.M.~~
11:15 – 12:25 p.m. Future ACRS Activities/Report of the Planning and Procedures Subcommittee (Open) (WJS/FPG/SD)
- 8.1) Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee during future ACRS meetings.
 - 8.2) Report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business, including anticipated workload and member assignments.

- 9) ~~11:30 – 11:45 A.M.~~ 11:30 – 11:45 A.M. Reconciliation of ACRS Comments and Recommendations
 1:30 – 1:40 p.m. (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.
- 11:45 - 12:45 P.M. ***LUNCH*****
- 10) 12:45 - 7:00 P.M. Preparation of ACRS Reports (Open/Closed)
 Discussion of proposed ACRS reports on:
2:45 – 3:00 P.M.
*****Break*****
- 10.1) Hope Creek Extended Power Uprate Application (SAK/ZA)
 - 10.2) Digital I&C Interim Staff Guidance and related matters (GEA/GSS/CEA)
 - 10.3) PWROG Topical Report WCAP-16793-NP (SB/DEB)
 - 10.4) Response to the EDO Response to the December 20, 2007 ACRS Report on the Susquehanna Power Uprate Application) (SB/ZA)
 - 10.5) Proposed Licensing Strategy for the Next Generation Nuclear Plant (NGNP) (MLC/MB) **(Closed)**

SATURDAY, APRIL 12, 2008, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 11) 8:30 - 4:00 P.M. Preparation of ACRS Reports (Open/Closed)
 12:00 p.m. Continue discussion of proposed ACRS reports listed under Item 10.
- 10:30 – 10:45 A.M.**
*****BREAK*****
- ~~12) 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.

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
551ST FULL COMMITTEE MEETING

April 10, 2008

NRC Attendees

	<u>NAME</u>	<u>NRC ORGANIZATION</u>
1	J. Lamb	NRR
2	P. Yarsky	NRR
3	F. Eltawila	RES
4	Y. Orechwa	NRR
5	S. Basu	RES
6	J. Joliceur	RES
7	S. Rubin	RES
8	J. Wilson	NRO
9	K. Tene	RES
10	N. Su	RES
11	D. Heltow	RES
12	P. Lee	NSIR
13	E. Baker	NRO
14	D. Dube	NRO
15	W. Smith	NMSS
16	L. Gibson	RES
17	M. Bogg	RES
18	N. Kadambu	RES
19	N. Hudson	RES
20	B. Vaidya	NRR
21	T. Kenyon	NRO

Outside Attendees

	<u>NAME</u>	<u>NRC ORGANIZATION</u>
1	P. Duke	PDEG
2	J. Keenan	PSEG
3	P. Davison	PSEG
4	R. Vemluis	DOE
5	T. Cook	DOE
6	M. Holbrook	INL
7	D. Petti	INL

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
551ST FULL COMMITTEE MEETING
April 11, 2008

NRC Attendees

	<u>NAME</u>	<u>NRC ORGANIZATION</u>
1	G. Kelly	NRO
2	J. Robinson	NRR
3	S. Arndt	NRR
4	R. Syndnor	RES
5	P. Hiland	NRR
6	B. Kemper	NRR
7	J. Vail	NRR
8	D. Dube	NRO
9	P. Loeser	NRR
10	S. Bailey	NRR
11	M. Franovich	NRR
12	T. Hipschman	OCM/GBJ
13	M. Waterman	RES
14	A. Kuritsky	RES
15	M. Ganen	NRO
16	C. Ader	NRO
17	D. Desonlineks	NRO
18	D. Rahn	NMSS
19	P. Yairsky	NRR
20	J. Lamb	NRR
21	T. Kenyon	NRO
22	J. Joliceur	RES

Outside Attendees

	<u>NAME</u>	<u>NRC ORGANIZATION</u>
1	G. Clefton	NEI
2	R. Torok	EPRI
3	B. Gedeke	EPRI
4	J. Riley	NEI
5	J. Keenan	PSEG
6	P. Davison	PSEG
7	P. Duke	PSEG

LIST OF DOCUMENTS PROVIDED TO THE ACRS COMMITTEE
DURING THE 551st MEETING ON APRIL 10-12, 2010

Agenda Item 2:

Extended Power Uprate Application for the Hope Creek Generating Station

1. Purpose
2. Overview
3. Committee Meeting Summary
4. Conclusions
5. Key Core Parameters
6. Subcommittee Status Report
7. Member / Consultant Reports (Chairman Shack, Consultant Wallis, Consultant Kress and Consultant Pierce)
8. March 20-21st, 2008 Subcommittee Meeting Slides

Agenda Item 3:

Pressurized Water Reactor Owners Group (PWROG) Topical Report WCAP-16793-NP, "Evaluation of Long-Term Cooling Considering Particulate, Fibrous, and Chemical Debris in the Recirculating Fluid"

9. Table of Contents
10. Proposed Meeting Agenda
11. Status Report

Agenda Item 4:

Proposed Licensing Strategy for the Next Generation Nuclear Plant (NGNP)

12. Table of Contents
13. Proposed Meeting Agenda
14. Status Report

Agenda Item 7:

Digital Instrumentation and Controls (I&C) Interim Staff Guidance and Related Matters

15. Table of Contents
16. Proposed Meeting Agenda
17. Status Report
18. DI&C-ISG-01, "Cyber Security," including the following:
 - Appendix A, "RG 1.152 (Rev 2) and Draft NEI 04-04 (Rev 2) Cross-Correlation Table"
 - Appendix B, "NEI 04-04 (Rev 2), "Cyber Security Program for Power Reactors" (please note that Appendices A and B are restricted documents, "need to know")
19. Draft DI&C-ISG-06, "Digital I&C Licensing Process," including the following:
 - "Documents Needed for Review of Different Complexities"
20. Draft DI&C-ISG-03, "Review of New Reactor Digital I&C"
21. Draft White Paper, "Assessment of Digital System Operating Experience Data & System Inventory and Classification Structure"

22. Draft NUREG/CR "Approaches for Using Traditional PRA Methods for Digital Systems", including the following:
- Appendix A, "Summary Report of the External Review Panel Meeting on Reliability Modeling of Digital Systems (May 23–24, 2007)"
 - Appendix B, "Detailed FMEA of the DFWCS at Different Levels"
 - Appendix C, "Modeling of Software Failures"
 - Appendix D, "Other Methods for Modeling Digital Systems"



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

Appendix V

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.