



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

October 9, 2007

MEMORANDUM TO: Carol A. Brown, Technical Secretary
Advisory Committee on Reactor Safeguards

FROM: William J. Shack */RA/*
ACRS Chairman

SUBJECT: MINUTES OF THE 544th MEETING OF THE ADVISORY COMMITTEE ON
REACTOR SAFEGUARDS (ACRS),
July 11-13, 2007

I certify that based on my review of the minutes from the 544th 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.

NA
Comments



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NA

Comments

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CERTIFIED

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MINUTES OF THE 544th MEETING OF THE
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
July 11-13, 2007
ROCKVILLE, MARYLAND

The **544th** meeting of the Advisory Committee on Reactor Safeguards (ACRS) was held in Conference Room 2B3, Two White Flint North Building, Rockville, Maryland, on **July 11 - 13, 2007**. Notice of this meeting was published in the *Federal Register* on **June 21, 2007** (72 FR 34322) (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. Sanjoy Banerjee, Dr. Michael Corradini, Dr. Thomas S. Kress, Mr. Otto L. Maynard, and Dr. Dana A. Powers. 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. He announced in his opening remarks that the meeting was being conducted in accordance with the provisions of the Federal Advisory Committee Act. In addition, he reviewed the agenda for the meeting 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 administrative details for consideration by the full Committee.

II. Sampling Methodology and Statistical Thresholds for Selecting ITAAC for Inspection

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

The Committee met with representatives of the NRC staff to discuss the staff's approach to verify closure of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) using a sample-based inspection process. ITAAC provide reasonable assurance that the facility has been constructed and will be operated in conformity with the license, the provisions of the

Atomic Energy Act, and the Commission's rules and regulations. The staff will verify closure of all ITAAC prior to plant operation through documentation review. Closure of some ITAAC will be verified by direct inspection. ITAAC inspections (Inspection Manual Chapter-2503) are a significant portion of the staff's overall construction inspection program (CIP).

The staff explained why ITAAC grouping and prioritization was chosen as an alternative to statistical acceptance sampling. "Families" of ITAAC were identified that have common characteristics and which will involve similar inspection activities. Observing performance of ITAAC activities within a family will provide insights that are applicable to the remainder of the family. Multi-attribute utility theory was used to rank-order ITAAC for inspection. This rank-ordering was based on five ITAAC attributes (safety significance, licensee oversight attention, opportunity to verify by other means, construction and testing experience, and propensity for errors) and the significance of not inspecting the ITAAC in order to optimize resources and minimize the possibility of a significant flaw going undetected. Safety significance was the most heavily weighted attribute. The staff used a threshold value of 0.4 when ranking the ITAAC associated with the ABWR and AP1000 and included at least one ITAAC from each family. This resulted in between 35% to 45% of ITAAC being identified for inspection. The staff also noted that there are additional site-specific ITAAC. The staff explained to the Committee why it would be difficult for licensees to know which ITAAC, and when ITAAC, would be inspected. The licensee's performance will be monitored as part of the CIP Assessment Process (Inspection Manual Chapter-2505) and NRC can expand the sample of ITAAC to be inspected based on poor performance.

III. Dissimilar Metal Weld Issue

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

The Committee met with representatives of the NRC staff, Exelon, and Dominion Engineering, Inc., to discuss the ongoing NRC staff and industry activities for addressing dissimilar metal weld issues resulting from the October 2006 inservice inspection of the Wolf Creek pressurizer nozzles. Analyses performed by the NRC staff in late 2006 and early 2007 indicated that large flaws, similar to those found at Wolf Creek, may lead to rupture before any measurable leakage occurs. As a result, the staff has determined that inspections or mitigation activities on these welds at nine plants should be completed by the end of 2007 rather than the spring of 2008. All other plants either do not have these types of welds or will have inspected or performed mitigation activities by December 2007.

Representatives from Exelon and Dominion Engineering, Inc., described recent advanced finite element analyses being performed to demonstrate that piping is not expected to rupture prior to leakage. The NRC staff is performing its own analyses of cases representative of those at the plants of interest, using an independently developed analysis method to verify the industry results. The industry is expected to submit the results of its analyses to the staff by July 31, 2007. The staff is planning to issue a safety evaluation by August 31, 2007, regarding whether the affected plants will be allowed to extend inspection and mitigation activities into 2008.

IV. Activities in the Safeguards and Security Areas

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

The Committee met with representatives of the NRC staff to discuss ongoing and planned activities in the safeguards and securities areas. The staff described the status of the changes in nuclear power plant security as a result of the September 11, 2001, terrorist attack. This included the issuance of orders to nuclear power plant licensees, completed and ongoing rulemaking activities, the issuance of regulatory guidance documents, enhanced coordination with other federal agencies, and the development of lessons learned from the implementation of the orders. The staff also described the nuclear security program requirements contained in the Energy Policy Act of 2005. All of these issues are being incorporated into the development of NRC rules and guidance documents. The staff identified specific topics that will be sent to the ACRS for review.

V. Revisions to Draft Final NUREG-1852, "Demonstrating the Feasibility and Reliability of Operator Manual Actions in Response to Fire"

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

The Committee met with representatives of the NRC staff and a member of the public to discuss revisions to draft final NUREG-1852, "Demonstrating the Feasibility and Reliability of Operator Manual Actions in Response to Fire." In a letter dated June 18, 2007, the Committee recommended that NUREG-1852 be published after revision to address the ACRS concerns discussed in the letter. To address the ACRS concerns, the staff revised the NUREG to (a) include a section in the report describing its intended use in context, (b) provide advice as to the skills of the team that determines the time margin, and (c) mention the potential use of other existing methods to facilitate the search for scenarios initiated by fires. A member of the public described a concern that operator manual actions may not be equivalent to passive physical fire barriers and result in a reduction in defense-in-depth.

VI. Draft NUREG/CR, Review of NUREG-0654, Supplement 3, "Criteria for Protective Action Recommendations for Severe Accidents"

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

The Committee met with representatives of the NRC staff and industry to discuss offsite protective action recommendations (PAR). The staff described the findings and recommendations of a study performed by the Sandia National Laboratories and documented in a draft NUREG/CR entitled, "Review of NUREG-0654, Supplement 3, 'Criteria for Protective Action Recommendations for Severe Accidents'." The study examined the benefits of alternative protective actions compared to the baseline case of radial evacuation following the declaration of a general emergency at a nuclear power plant. The study considered both "fast-evolving" and "slow-evolving" accident scenarios. Various evacuation times and protective action strategies, including radial evacuation, lateral evacuation, shelter-in-place, and preferred sheltering were considered. The study recommended that under certain scenarios and estimated evacuation times, alternative protective actions may provide better protection than the baseline case of radial evacuation. The staff also considered PAR implementation issues

such as possible public response to following the directives of the emergency response organization.

Industry representatives presented preliminary results of an effort to develop a risk-informed methodology for quantifying the relative effectiveness of the PAR strategies. Since no documents regarding this work have been formally submitted to the NRC, neither the staff nor the ACRS had an opportunity to perform an adequate review of this effort.

VII. Browns Ferry Nuclear Plant Unit 1 Restart Activities

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

The Committee met with representatives of the NRC staff to discuss the findings and recommendations of the Browns Ferry Unit 1 Restart Panel, activities and problems associated with restart, and the current status of the plant. The staff presented a short history of the Browns Ferry Units up to and including the startup of Unit 1. The staff described the significant number of modifications made to the plant to return it to an operational status from a construction status, as well as the licensing actions and inspections necessary to support and review these modifications. The staff concluded its presentation with a discussion of minor issues that occurred during startup and the current status of the plant.

VIII. Subcommittee Report on the State-of-the-Art Reactor Consequence Analysis Project

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

The Chairman of the Regulatory Policies and Practices Subcommittee provided a report to the Committee, summarizing the results of the July 10, 2007, meeting with the NRC staff to discuss the status of staff's efforts associated with the State-of-the-Art Reactor Consequence Analysis (SOARCA) Project. During the meeting, the Subcommittee reviewed several topics including accident sequence selection, containment system states, MELCOR analysis, emergency preparedness, and MACCS2 analysis. As directed by the Commission, the staff has reduced the initial scope of the SOARCA Project. The staff is initially focusing on two sites: Peach Bottom in Pennsylvania and Surry in Virginia. During the closed portion of the Subcommittee meeting, the Subcommittee discussed the staff's initial findings of the accident sequence selection, preliminary MELCOR insights, containment performance, and emergency preparedness for these two plants. The Subcommittee also discussed the various options the staff is evaluating for assessment of dose thresholds for latent cancer fatalities. The Committee plans to continue its review of the SOARCA Project in a future meeting after the staff has made further progress in its analysis.

IX. Status Report on the Quality Assessment of Selected NRC Research Projects

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

The Committee was briefed by the members of the ACRS panels regarding the status of their assessment of the quality of the NRC research projects on Cable Response to Live Fire (CAROLFIRE) Testing, Fatigue Crack Flaw Tolerance in Nuclear Power Plant Piping, and Technical Review of the Online Monitoring Techniques for Performance Assessment.

X. Executive Session

A. RECONCILIATION OF ACRS COMMENTS AND RECOMMENDATIONS/EDO COMMITMENTS

- The Committee considered the EDO's response of May 31, 2007, to recommendations included in the April 20, 2007, ACRS report on the technology-neutral framework for future plant licensing. The Committee decided that it was satisfied with the EDO's response.
- The Committee considered the EDO's response of June 27, 2007, to recommendations included in the May 16, 2007, ACRS report on the draft Commission Paper on the staff plan regarding a risk-informed and performance-based revision to 10 CFR Part 50. The Committee decided that it was not satisfied with the EDO's response because it fails to address the Committee's comment that the technology-neutral regulatory framework "is still incomplete and needs modification" prior to publication. In addition, rather than continuing to work on the technology-neutral regulatory framework so it can help guide the development of the licensing strategy for the Next Generation Nuclear Plant (NGNP), the staff plans on developing the NGNP licensing strategy and then incorporate any lessons learned from that effort into future regulatory guidance that would be akin to the framework.
- The Committee considered the EDO's response of June 1, 2007, to comments and recommendations included in the February 14, 2007, ACRS letter on the draft final revision to the Regulatory Guide 1.189 (DG-1170), "Fire Protection for Nuclear Power Plants." The Committee decided that it was satisfied with the EDO's response.
- The Committee considered the EDO's response of June 1, 2007, to recommendations included in the December 18, 2006, ACRS letter regarding draft final Regulatory Guide 1.207 (DG-1144), "Guidelines for Evaluating Fatigue Analyses Incorporating the Life Reduction of Metal Components Due to the Effects of the Light-Water Reactor Environment for New Reactors." The Committee decided that it was satisfied with the EDO's response.
- The Committee considered the EDO's response of July 2, 2007, to comments and recommendations included in the May 18, 2007, ACRS report regarding activities related to digital instrumentation and control systems. The Committee decided that it was satisfied with the EDO's response.

- The Committee considered the EDO's response of June 1, 2007, to comments and recommendations included in the April 23, 2007, ACRS report on human reliability analysis models. The Committee decided that it was satisfied with the EDO's response.
- The Committee considered the EDO's response of June 13, 2007, to comments and recommendations included in the May 16, 2007, ACRS report on the development of an integrated long-term regulatory research plan. The Committee decided that it was satisfied with the EDO's response.
- The Committee considered the EDO's response of June 5, 2007, to comments and recommendations included in the October 23, 2006, ACRS letter on draft Revision 1 to Regulatory Guide 1.200 (DG-1161), "An Approach for Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-informed Activities," and Standard Review Plan Section 19.1, "Determining the Technical Adequacy of Probabilistic Risk Assessment Results of Risk-informed Activities." The Committee decided that it was satisfied with the EDO's response.

The staff committed to continue to interact with the Committee as Regulatory Guide 1.200 is revised in the future and as the staff proceeds with the development of a draft NUREG on the treatment of uncertainties and sensitivities.

- The Committee considered the EDO's response of June 6, 2007, to comments and recommendations included in the November 17, 2006, ACRS letter on draft Revision 3 to Regulatory Guide 1.7, "Control of Combustible Gas Concentrations in Containment Following a Loss-of-Coolant Accident," and Standard Review Plan Section 6.2.5, "Combustible Gas Control in Containment." The Committee decided that it was satisfied with the EDO's response.

OTHER RELATED ACTIVITIES OF THE COMMITTEE

During the period from June 7, 2007, through July 10, 2007, the following Subcommittee meetings were held:

- Regulatory Policies and Practices — July 10, 2007

The Subcommittee discussed the staff's efforts associated with the State-of-the-Art Reactor Consequence Analysis (SOARCA) Project.

- Planning and Procedures — July 10, 2007

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

B. Report on the Meeting of the Planning and Procedures Subcommittee Held on July 10, 2007

Review of the Member Assignments and Priorities for ACRS Reports and Letters for the July ACRS meeting

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

Anticipated Workload for ACRS Members

The anticipated workload for ACRS members through October 2007 was discussed. The objectives are to:

Review the reasons for the scheduling of each activity and the expected work product and to make changes, as appropriate

Manage the members' workload for these meetings

Plan and schedule items for ACRS discussion of topical and emerging issues

During this session, the Subcommittee also discussed and developed recommendations

Appointment of New Members

In a Staff Requirements Memorandum (SRM), dated June 15, 2007, the Commission states the following:

The Commission has approved the appointment of Mr. John W. Statkar, Mr. Lew W. Myers, and Dr. Dennis C. Bley to the ACRS.

The Commission expressed the need for urgency in securing expertise in digital instrumentation and control for the ACRS.

The Commission also supported solicitation of additional candidates with expertise in materials engineering and seismic and structural engineering.

On June 27, 2007, Mr. Myers declined the offer to become an ACRS member due to personal issues. Also, Mr. Sieber offered his resignation from the Committee on June 27, 2007, but he has agreed to become a consultant. Mr. Sieber's resignation will become effective upon his conversion to a consultant. As a result of these developments, the Committee needs to have members with operating experience.

The ACRS staff is in the process of preparing draft Federal Register Notice and Press Release soliciting candidates with expertise in the areas of Digital I&C, Materials Engineering, and Plant Operations. The draft Federal Register Notice and Press Release will be sent to the Commission for approval after review by the Planning and Procedures Subcommittee.

SRM Resulting from the ACRS Meeting with the Commission

In an SRM dated June 22, 2007, resulting from the ACRS meeting with the Commission on June 7, 2007, the Commission states the following:

The Commission supports the Committee's recommendations in its letter dated May 18, 2007 concerning digital I&C systems. In response, prior to the July 18, 2007 Commission meeting, the staff should assure that the following actions are included in the Digital I&C Project Plan with appropriate completion dates to support development of the final regulatory guidance on diversity and defense in depth:

Develop an inventory and classification (e.g., by function or other characteristics) of the various types of digital hardware and software systems that are being used and are likely to be used in nuclear power plants.

Evaluate the operating experience with digital systems in the nuclear and other industries to obtain insights regarding potential failure modes.

The staff should continue to evaluate digital I&C designs against current or interim guidance, as applicable, including the requirement for backup features. The staff should provide the interim guidance to the Commission by September 30, 2007.

The Commission values ACRS' biennial review of NRC's Safety Research Program. In its next report, due March 2008, the Committee should identify any gaps it perceives in the research program and provide recommendations on

redirecting funding to high priority areas. In addition, the Committee should identify areas where the research needs are considered to have been satisfied.

SRM Related to Combined License Renewal Application Review

In an SRM dated June 22, 2007, stemming from the Commission's review of the Combined License Review Task Force Report, the Commission states the following:

The Advisory Committee on Reactor Safeguards (ACRS) should consider pursuing efficiencies and effectiveness in the review of subsequent COLs by adopting a "delta" review approach but only after the completion of the first COL of each design type. The ACRS, with staff input from an expanded acceptance review, could focus their reviews on the significant differences between the reference COLs and subsequent COLs. These differences would include the site-specific design features of the facility, including security design features and emergency plans.

It should be noted that several members have already discussed the use of the "delta" review approach. The above Commission direction is consistent with the approach previously discussed by the members in reviewing COL applications.

ACNW&M Meeting on Spent Nuclear Fuel Recycle White Paper

In an SRM dated February 7, 2006, stemming from the Commission's review of the ACNW Action Plan for FY 2006 and 2007, the Commission stated that the ACNW should remain abreast of industry, technical and legal developments in the areas of spent fuel storage, disposal, and reprocessing to ensure that members will be ready to provide advice in these areas, should the need arise.

In response, the ACNW&M prepared a White Paper to:

Capture the historical approaches to the development, design, and operation of spent nuclear fuel recycle facilities

Summarize the potential advanced spent nuclear fuel recycle technologies

Identify technical regulatory issues to be faced if advanced spent nuclear fuel recycle technologies are implemented

A draft of this White Paper had been issued for comment and also sent to the ACRS members on June 28, 2007. The ACNW&M plans to discuss the Paper and solicit comments during the meeting on Wednesday, July 18, 2007.

In an SRM dated June 28, 2007 related to Regulatory Options for Licensing Facilities Associated with the Global Nuclear Energy Partnership (GNEP) the Commission states:

The ACRS should be the lead advisory committee for the burner reactor and reprocessing facility and should work jointly with the ACNW&M on matters of common

interest. The staff should note the discussions the Commission had with the ACRS about the potential difficulties in coming up with a framework for licensing co-located closed fuel cycle facilities.

Interested members of the ACRS should consider attending the ACNW&M meeting on July 18, 2007.

Quadripartite Working Group Meeting

Germany's Reaktor-Sicherheitskommission (RSK) will host the first Quadripartite Working Group (WG) meeting on the topic of "Sump Screen Blockage" on October 17-18, 2007, in Erlangen, Germany. An agenda for this meeting is attached. During the April meeting, the Committee authorized Dr. Banerjee, Dr. Bonaca, Dr. Abdel-Khalik, and Dr. Wallis to attend this WG meeting. [Note: Drs. Bonaca and Abdel-Khalik will inform Mugeh within two weeks whether or not they will attend this meeting.]

The members who are scheduled to attend this WG meeting should identify topics for their papers and should also provide their travel plans.

RSK is considering hosting another WG meeting to be held concurrently with the first WG meeting on the topic of digital I&C. RSK is requesting feedback.

Scheduling Subcommittee Meetings

During last month's meeting, Members discussed establishing the second week after each Full Committee meeting as preferred dates for Subcommittee meetings. The preferred meeting days would be Thursday and Friday of that week. Since ACNW&M meetings are usually held this week, ACRS Subcommittee meetings may have to be held in the Commissioner's Conference Room or the Subcommittee room. Currently, the day before each Full Committee meeting is used for Subcommittee meetings.

ACRS/ACNW&M Self-Assessment

Based on an August 6, 1999 SRM (Self Assessment of ACRS and ACNW Performance) the periodic Self-Assessment Report and the ACRS and ACNW Operating Plan can be combined into one annual report to the Commission. This report is due on November 1, 2007. As part of the Self-Assessment process, the ACRS and ACNW, by choice, have utilized surveys as a means of obtaining stakeholder input. At this time, this survey duplicates other methods (semiannual office assessments and stakeholder feedback forms) of obtaining stakeholder input. In addition, the survey does not seem to provide high level comments that would add value to the processes set forth by the Agency and utilizes the office's contract funds. The ACRS/ACNW&M staff recommends that the Committees eliminate the survey tool and use the other methods required by the Agency to obtain stakeholder input. These methods would be supplemented by quarterly meetings between the Committee Chairmen and Commissioners as well as follow-up meetings between the Executive Director and Office Directors.

Results of the 2007 self-assessment survey are attached. Internal and external stakeholders' comments in response to the survey will be discussed.

Member Issue

Dr. Sam Armijo requests Committee approval and support to attend the 2007 International LWR Fuel Performance meeting from September 30 to October 3, 2007 in San Francisco, California.

C. Future Meeting Agenda

Appendix IV summarizes the proposed items endorsed by the Committee for the **545th** ACRS Meeting, **September 6-8, 2007**.

The **544th** ACRS meeting was adjourned at **1:30 PM, July 13, 2007**.

impacts of the REU awards made by that Directorate, as well as lessons learned to improve the results of future REU awards. Two types of REU awards will be studied, REU sites and REU supplements. REU Site awards fund groups of undergraduates to work with faculty members at an institution. Half of the undergraduates in an REU site must come from other institutions. ENG also makes REU Supplement awards to NSF-funded Engineering Research Centers and to other NSF-funded researchers for comparable involvement of undergraduates.

The proposed study will be similar to the 2003 URO study. It will focus on undergraduate ENG REU participants and the faculty members who are responsible for the ENG REU awards during summer 2006 through spring 2007, and will examine in detail for the first time the activities, outcomes, and impacts of REU awards made in a single NSF directorate—ENG. The study will evaluate the longer-term effects of REU experiences with a follow-up survey of the students approximately two years later. The REU program officers in the NSF's Division of Engineering Education and Centers (EEC) particularly want to learn in depth about the EEC REU Site and ERC REU Supplement awards from former REU students and awardees, any differences between the Sites and ERC Supplements, and lessons learned for subsequent proposal review and advising prospective PIs. Information will also be used for ENG Program reporting requirements. The study will examine (1) the role of the REU program in aiding participating undergraduates in a decision to pursue graduate education or careers in engineering; and (2) the relationship between how REU activities are structured and managed and participants' subsequent education and career decisions and actions.

The survey data collection will be done on the World Wide Web. *Estimate of Burden:* Public reporting burden for this collection of information is estimated to average 30 minutes per response.

Respondents: Individuals.

Estimated Number of Respondents: 10,529.

Estimated Total Annual Burden on Respondents: 5,094 hours.

Frequency of Response: One time for faculty, two times for students.

Dated: June 15, 2007.

Suzanne H. Plimpton,
Reports Clearance Officer, National Science Foundation.

[FR Doc. 07-3054 Filed 6-20-07; 8:45 am]

BILLING CODE 7555-01-M

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 Advisory Committee on Reactor Safeguards (ACRS) will hold a meeting on July 11-13, 2007, 11545 Rockville Pike, Rockville, Maryland. The date of this meeting was previously published in the Federal Register on Wednesday, November 15, 2006 (71 FR 66561).

Wednesday, July 11, 2007, 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.-10:15 a.m.: *Sampling Methodology and Statistical Thresholds for Selecting ITAACs for Inspection* (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the feasibility of the ACRS review of the sampling methodology and statistical thresholds proposed by the NRC staff for selecting Inspections, Tests, Analyses, and Acceptance Criteria (ITAACs) for inspection, and related matters.

10:30 a.m.-12:15 p.m.: *Dissimilar Metal Weld Issue* (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff and nuclear industry regarding the preliminary results of the advanced finite element analysis performed by the industry to provide basis for leak-before-break.

1:15 p.m.-2:15 p.m.: *Activities in the Safeguards and Security Areas* (Open/Closed)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding ongoing and planned activities in the safeguards and security areas, items that are expected to be submitted to the ACRS for review, and the associated schedule.

Note: A portion of this session may be closed to protect information classified as National Security Information as well as Safeguards Information pursuant to 5 U.S.C. 552b(c)(1) and (3).

2:30 p.m.-3:30 p.m.: *Revisions to Draft Final NUREG-1852, "Demonstrating the Feasibility and Reliability of Operator Manual Actions in Response to Fire"* (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the changes made to draft final NUREG-1852 to address ACRS Comments and recommendations.

3:45 p.m.-6 p.m.: *Preparation of ACRS Reports* (Open)—The Committee will discuss proposed ACRS reports on matters considered during this meeting, as well as a proposed ACRS report on Technology-Neutral Framework for Future Plant Licensing.

Thursday, July 12, 2007, 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.-10:30 a.m.: *Draft NUREG-0654, Supplement 3, "Criteria for Protective Action Recommendations for Severe Accidents"* (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding draft NUREG-0654, Supplement 3, "Criteria for Protective Action Recommendations for Severe Accidents".

10:45 a.m.-12:15 p.m.: *Browns Ferry Nuclear Plant Unit 1 Restart Activities* (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the findings and recommendations of the Browns Ferry Unit 1 Restart Panel, activities associated with restart, any problems encountered prior to, during, and after restart as well as current status of the plant.

1:15 p.m.-2 p.m.: *Future ACRS Activities/Report of the Planning and Procedures Subcommittee* (Open)—The Committee will discuss the 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.

2 p.m.-2:15 p.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 and letters.

2:15 p.m.-2:30 p.m.: *Subcommittee Report on State-of-the-Art Reactor Consequence Analysis (SOARCA) Project* (Open)—The Committee will hear a report by and hold discussions with the Chairman of the ACRS Subcommittee on Regulatory Policies and Practices regarding the SOARCA Project that was discussed by the Subcommittee on July 10, 2007.

2:45 p.m.-3:45 p.m.: *Status Report on the Quality Assessment of Selected NRC Research Projects* (Open)—The Committee will hold discussions with the members of the ACRS Panels regarding the status of the quality assessment of selected NRC research projects.

3:45 p.m.-7 p.m.: *Preparation of ACRS Reports* (Open)—The Committee will discuss proposed ACRS reports.

Friday, July 13, 2007, Conference Room T-2B3, Two White Flint North, Rockville, Maryland

8:30 a.m.-1 p.m.: *Preparation of ACRS Reports* (Open)—The Committee will continue discussion of proposed ACRS reports.

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 October 2, 2006 (71 FR 58015). 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) Pub. L. 92-463, I have determined that it may be necessary to close a portion of this meeting to protect information classified as National Security Information as well as Safeguards Information pursuant to 5 U.S.C. 552b (c) (1) and (3).

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. Sam Duraiswamy, Cognizant ACRS staff (301-415-7364), 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: June 15, 2007.

Andrew L. Bates,
Advisory Committee Management Officer.
[FR Doc. E7-12016 Filed 6-20-07; 8:45 am]
BILLING CODE 7590-01-P

POSTAL REGULATORY COMMISSION

Facility Tours

AGENCY: Postal Regulatory Commission.
ACTION: Notice of Commission tours.

SUMMARY: On Thursday afternoon, June 22, 2007, Postal Rate Commission and advisory staff members will tour Hallmark Headquarters and Visitors Center in Kansas City, Missouri. On Friday afternoon, June 23, 2007, Commissioners and advisory staff members will tour a DST Systems, Inc. facility in Kansas City, Missouri. The purpose of the Hallmark tour is to discuss shape-based postage rates and to observe Hallmark operations. The purpose of the DST Systems, Inc. tour is to observe company operations, including the interface with U.S. Postal Service operations.

DATES: June 22 (1 p.m.) and June 23, 2007 (2 p.m.).

FOR FURTHER INFORMATION CONTACT: Ann C. Fisher, Chief of Staff, Postal Regulatory Commission, at 202-789-6803 or ann.fisher@prc.gov.

Steven W. Williams,
Secretary.
[FR Doc. 07-3051 Filed 6-20-07; 8:45 am]
BILLING CODE 7710-FW-M

SECURITIES AND EXCHANGE COMMISSION

[Release No. 34-55913; File No. SR-Amex-2007-13]

Self-Regulatory Organizations; American Stock Exchange LLC; Order Approving Proposed Rule Change as Modified by Amendment No. 1 Relating to the Codification of Exchange Policy Regarding Specialist Commissions

June 15, 2007.

I. Introduction

On January 29, 2007, the American Stock Exchange LLC ("Amex" or "Exchange") filed with the Securities and Exchange Commission ("Commission"), pursuant to Section 19(b)(1) of the Securities Exchange Act of 1934 ("Act"),¹ and Rule 19b-4 thereunder,² a proposed rule change to

amend Amex Rule 154—AEMI and Amex Rule 154—AEMI-One to expand the scope of its rules that specify when specialists may charge commissions. The proposed rule change was published for comment in the *Federal Register* on April 2, 2007.³ The Commission received three comment letters regarding the proposal.⁴ On May 29, 2007, Amex filed Amendment No. 1 to the proposed rule change.⁵ This order approves the proposed rule change, as modified by Amendment No. 1.

II. Description

The Exchange proposes to adopt Amex Rule 154—AEMI(k) to prohibit specialists from charging a commission for orders or portions of orders that have not been executed. The proposed rule would extend the prohibitions on specialist commissions contained in Amex Rule 154(b) to Exchange-Traded Funds ("ETFs") and equities trading on the AEMI System. These restrictions prohibit specialists from (i) charging a commission on off floor orders that are electronically delivered to the specialist except in cases of orders that require special handling by the specialist or for which the specialist provides a service, and (ii) billing customers for electronically delivered orders that are executed automatically by the Exchange's order processing facilities upon receipt. In addition, proposed Rule 154—AEMI(k) would reference Rule 152—AEMI(c), which prohibits specialists from charging a commission where they act as principal in the execution of an order entrusted to them as agent. Lastly, the proposed rule sets forth the types of orders specialists would be allowed to bill a commission. These orders would include: (i) Limit orders that remain on the book for more than two minutes; (ii) tick sensitive orders (e.g., an order to sell short in a security subject to the Commission's "tick-test"); (iii) stop or stop limit orders; (iv) fill-or-kill and immediate-or-

¹ See Securities Exchange Act Release No. 55533 (March 28, 2007), 72 FR 15733.

² See letters to Nancy M. Morris, Secretary, Commission, from Samuel F. Lek, Lek Securities Corporation, dated April 26, 2007 ("Lek Letter"); from Jonathan Q. Fry, Managing Partner, J. Streicher & Co. L.L.C., Brendan E. Cryan, Brendan E. Cryan and Company, LLC, Robert B. Nunn, Cohen Specialists LLC, and Michael Marchisi, AIM Specialists, dated April 17, 2007 ("Equity Specialist Firms Letter"); and from Jerry O'Connell, Chief Regulatory Officer, Susquehanna Investment Group, to, dated February 13, 2007 ("Susquehanna Letter").

³ In Amendment No. 1, Amex removed all references to Amex Rule 154—AEMI-One in the proposed rule change because the AEMI-One rules have been replaced by the AEMI rules. This is a technical amendment and is not subject to notice and comment.

¹ 15 U.S.C. 78s(b)(1).

² 17 CFR 240.19b-4.

June 18, 2007

REVISED
SCHEDULE AND OUTLINE FOR DISCUSSION
544th ACRS MEETING
JULY 11-13, 2007

WEDNESDAY, JULY 11, 2007, 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 - 10:15 A.M. Sampling Methodology and Statistical Thresholds for Selecting ITAACs for Inspection (Open) (MLC/DCF)
 - 2.1) Remarks by the Subcommittee Chairman
 - 2.2) Briefing by and discussions with representatives of the NRC staff regarding the feasibility of the ACRS review of the sampling methodology and statistical thresholds proposed by the NRC staff for selecting Inspections, Tests, Analyses, and Acceptance Criteria (ITAACs) for inspection, and related matters.

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

- 10:15 - 10:30 A.M. ***BREAK***

- 3) 10:30 - 12:15 P.M. Dissimilar Metal Weld Issue (Open) (WJS/CGH)
 - 3.1) Remarks by the Subcommittee Chairman
 - 3.2) Briefing by and discussions with representatives of the NRC staff and nuclear industry regarding the preliminary results of the advanced finite element analysis performed by the industry to provide basis for leak-before-break.

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

- ~~12:15 - 1:15 P.M.~~
12:23 - 1:15 ***LUNCH***

- 4) 1:15 - 2:15 P.M. Activities in the Safeguards and Security Areas (Open/Closed) (MVB/MB)
 - 4.1) Remarks by the Subcommittee Chairman
 - 4.2) Briefing by and discussions with representatives of the NRC staff regarding ongoing and planned activities in the safeguards and security areas, items that are expected to be submitted to the ACRS for review, and the associated schedule.

Appendix II

[NOTE: A portion of this session may be closed to protect information classified as National Security Information as well as Safeguards Information pursuant to 5 U.S.C. 552b (c) (1) and (3)].

2:15 - 2:30 P.M.

BREAK

- 5) 2:30 - ~~3:30~~ P.M.
- 3:12 PM

Revisions to Draft Final NUREG-1852, "Demonstrating the Feasibility and Reliability of Operator Manual Actions in Response to Fire" (Open) (GEA/MAJ)

- 5.1) Remarks by the Subcommittee Chairman
- 5.2) Briefing by and discussions with representatives of the NRC staff regarding the changes made to draft final NUREG-1852 to address ACRS comments and recommendations.

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

~~3:30~~ - 3:45 P.M.
3:12

BREAK

- 6) 3:45 - 6:00 P.M.

Preparation of ACRS Reports (Open)

Discussion of proposed ACRS reports on:

- 6.1) Sampling Methodology and Statistical Thresholds for Selecting ITAACs for Inspection (MLC/DCF)
- 6.2) Dissimilar Metal Weld Issue (WJS/CGH) (**TENTATIVE**)
- 6.3) Revisions to NUREG-1852, "Demonstrating the Feasibility and Reliability of Operator Manual Actions in Response to Fire" (GEA/MAJ)
- 6.4) Technology-Neutral Framework for Future Plant Licensing (TSK/DCF)

THURSDAY, JULY 12, 2007, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 7) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (WJS/CS/SD)

- 8) 8:35 - ~~10:30~~ A.M.
- 10:47 Draft NUREG-0654, Supplement 3, "Criteria for Protective Action Recommendations for Severe Accidents" (Open) (MVB/MB)

- 8.1) Remarks by the Subcommittee Chairman
- 8.2) Briefing by and discussions with representatives of the NRC staff regarding draft NUREG-0654, Supplement 3, "Criteria for Protective Action Recommendations for Severe Accidents"

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

~~10:30 – 10:45 A.M.~~
10:47 – 11:01 A.M.

BREAK

9) ~~10:45 – 12:15 P.M.~~
11:01 – 11:48 P.M.

Browns Ferry Nuclear Plant Unit 1 Restart Activities (Open)

(OLM/MAJ)

- 9.1) Remarks by the Subcommittee Chairman
- 9.2) Briefing by and discussions with representatives of the NRC staff regarding the findings and recommendations of the Browns Ferry Unit 1 Restart Panel, activities associated with restart, any problems encountered prior to, during, and after restart as well as current status of the plant.

12:15 - 1:15 P.M.

LUNCH

10) 1:15 - 2:00 P.M.

Future ACRS Activities/Report of the Planning and Procedures Subcommittee (Open) (WJS/FPG/SD)

- 10.1) Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee during future ACRS meetings.
- 10.2) Report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business, including anticipated workload and member assignments.

11) 2:00 - 2:15 P.M.

Reconciliation of ACRS Comments and Recommendations (Open) (WJS, 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) 2:15 - 2:30 P.M.

Subcommittee Report on State-of-the-Art Reactor Consequence Analysis (SOARCA) Project (Open) (WJS/HPN)

Report by and discussions with the Chairman of the ACRS Subcommittee on Regulatory Policies and Practices regarding the SOARCA Project that was discussed by the Subcommittee on July 10, 2007.

2:30 - 2:45 P.M.

BREAK

- 13) 2:45 - 3:45 P.M. Status Report on the Quality Assessment of Selected NRC Research Projects (Open) (DAP/SB/WJS/OLM/HPN)
 13.1) Remarks by the Subcommittee Chairman
 13.2) Report by and discussions with the members of the ACRS Panels regarding their assessment of the quality of the NRC research projects on: Cable Response to Live Fire (CAROLFIRE) Testing, Fatigue Crack Flaw Tolerance in Nuclear Power Plant Piping, and Technical Review of the Online Monitoring Techniques for Performance Assessment.
- 14) 3:45 - 7:00 P.M. Preparation of ACRS Reports (Open)
 Discussion of proposed ACRS reports on:
 14.1) Sampling Methodology and Statistical Thresholds of Selecting ITAACs for Inspection (MLC/DCF)
 14.2) Dissimilar Metal Weld Issue (WJS/CGH) (**TENTATIVE**)
 14.3) Revisions to NUREG-1852, "Demonstrating the Feasibility and Reliability of Operator Manual Actions in Response to Fire" (GEA/MAJ)
 14.4) Technology-Neutral Framework for Future Plant Licensing (TSK/DCF)
 14.5) NUREG-0654, Supplement 3, "Criteria for Protective Action Recommendations for Severe Accidents" (MVB/MB)

FRIDAY, JULY 13, 2007, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 15) 8:30 - 1:00 P.M.
 (10:30-10:45 BREAK) Preparation of ACRS Reports (Open)
 Continue discussion of proposed ACRS reports listed under Item 14.
- 16) 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.

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

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Filed: CM-180

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
544th FULL COMMITTEE MEETING

July 11-13, 2007

PLEASE PRINT CLEARLY

NRC Attendees

TODAY'S DATE: July 11, 2007

	<u>NAME</u>	<u>NRC ORGANIZATION</u>
1	Jay Collins	NRC/NRR/DCI
2	Yung Hsien Chang	RES
3	Simon Sheng	NRC
4	Eric Focht	NRC
5	Tim Lupold	NRC
6	Tim Reed	NRC
7	Bonnie Schnetzler	NRC/NSIR
8	Dennis Gordon	NRC/NSIR
9	Doug Huyck	NRC/NSIR
10	Jose Ibarra	NRC/RES
11	Alex Klein	NRC/NRR/DRA
12	Phil Qualls	NRC/NRR/DRA
13	Pete Barbadoro	NRC/NRR
14	Naeem Iqbal	NRC/NRR/DRA
15	Gabe Taylor	NRC/NRR/DORL
16	Omid Tabatabai	NRC/NRO/DCIP
17	Jason Jennings	NRC/NRO/DCIP
18	Mark Lesser	NRC/Region II
19	Rich Rasmusson	NRC/NRO/DCIP
20	Glenn Tracy	NRC/NRO/DCIP
21	Gene Imbro	NRO/DCIP
22	Karlen Ruleman	NRC/NRR/DCI
23	Hulbert Li	NRO/DE/ICEZ
24	J. Gaslevic	NRC/NRO/DCIP/CCIP
25	Yeon-Ki Chung	NRR/DLR
26	Bill Borchardt	NRO
27	Mary Ann Ashley	NRR
28	John Nakowski	NRO

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
544th FULL COMMITTEE MEETING

July 11-13, 2007

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NRC Attendees

TODAY'S DATE: July 11, 2007

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ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
544th FULL COMMITTEE MEETING

July 11-13, 2007

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NRC Attendees

TODAY'S DATE: July 12, 2007

	<u>NAME</u>	<u>NRC ORGANIZATION</u>
1	Tim McGinty	NRR
2	Kathryn Brock	NRR/NSIR
3	Anthony McMurtray	NSIR
4	Jason Schaperow	RES
5	Steve LaVie	NSIR
6	Jocelyn Mitchell	RES
7	Falk Kantor	NSIR
8	Sandra Lai	RES
9	Eva Brown	NRR/DORL
10	Malcolm T. Widdman	RII/DRP
11	John G. Lamb	OEDO
12	Alex Klein	NRR/DRA
13	Phil Qualls	NRC
14	Charles Moulton	NRR/DRA
15	Reed Anzalon	NRR
16	R Sullivan	NSIR
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ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
544th FULL COMMITTEE MEETING

July 11-13, 2007

PLEASE PRINT CLEARLY

Visitors

TODAY'S DATE: July 11, 2007

	<u>NAME</u>	<u>ORGANIZATION</u>
1	Scott Newberry	ISL
2	Alan Levin	AREVA
3	Tyson Smith	Winston & Strawn
4	Russ Bell	NEI
5	Jim Riley	NEI
6	Mike Melton	NEI
7	Jeff Jacodin	NRL
8	Glenn White	Dominion Engineering
9	Charles Brinkman	Westinghouse
10	Jay Thayer	NEI
11	Paul Gunter	NPRI
12	Steven Dolby	Inside NRC/Platts
13	Allain Olivier	ASN
14	Dave Rudland	EMC ²
15	Rachel Vaucher	ASN
16	Sebastien Limousin	ASN
17	Pascal Mutin	ASN
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ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
544th FULL COMMITTEE MEETING

July 11-13, 2007

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Visitors

TODAY'S DATE: July 12, 2007

	<u>NAME</u>	<u>ORGANIZATION</u>
1	Stephen M. Hess	EPRI
2	Martin Hug	NEI
3	David Leaver	Polestar Applied Technology, Inc.
4	David T. Langely	TVA
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ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
544th FULL COMMITTEE MEETING

July 11-13, 2007

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Visitors

TODAY'S DATE: July 13, 2007

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August 6, 2007

SCHEDULE AND OUTLINE FOR DISCUSSION
545th ACRS MEETING
SEPTEMBER 6-8, 2007

THURSDAY, SEPTEMBER 6, 2007, 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. Final Review of the License Renewal Application for the Pilgrim
Nuclear Power Station (Open) (OLM/MB)
2.1) Remarks by the Subcommittee Chairman
2.2) Briefing by and discussions with representatives of the
NRC staff and Entergy Nuclear Operations, Inc. regarding
the license renewal application for the Pilgrim Nuclear
Power Station and the associated NRC staff's final Safety
Evaluation Report.

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

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

- 3) 10:45 - 12:15 P.M. Revisions to Standard Review Plan (SRP) Sections 19.0 and 19.2
(Open) (GEA/DCF)
3.1) Remarks by the Subcommittee Chairman
3.2) Briefing by and discussions with representatives of the
NRC staff regarding revisions to SRP Sections 19.0,
"Probabilistic Risk Assessment and Severe Accident
Evaluation for New Reactors," and 19.2, "Review of Risk
Information Used to Support Permanent Plant Specific
Changes to the Licensing Basis: General Guidance."

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

12:15 - 1:30 P.M. *LUNCH*****

- 4) 1:30 - 3:00 P.M. Proposed Recommendations for Resolving Generic Safety Issue
(GSI) 156.6.1, "Pipe Break Effects on Systems and Components
Inside Containment" (Open) (WJS/DB)
4.1) Remarks by the Subcommittee Chairman
4.2) Briefing by and discussions with representatives of the
NRC staff regarding the recommendations proposed by the
staff for resolving GSI-156.6.1, and related matters.

5)	3:15 - 4:45 P.M.	<u>Status of NRR Activities in the Fire Protection Area</u> (Open) (OLM/CGH)
		5.1) Remarks by the Subcommittee chairman
		5.2) Briefing by and discussions with representatives of the Office of Nuclear Reactor Regulation (NRR) regarding the status of ongoing and proposed NRR activities associated with fire protection.

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

6) 5:00 - 7:00 P.M. Preparation of ACRS Reports (Open)
Discussion of proposed ACRS reports on:

- 6.1) License Renewal Application for the Pilgrim Nuclear Power Station (OLM/MB)
- 6.2) Revisions to Standard Review Plan Sections 19.0 and 19.2 (Tentative) (GEA/DCF)
- 6.3) Proposed Recommendations for Resolving Generic Safety Issue 156.6.1, "Pipe Break Effects on Systems and Components Inside Containment" (WJS/DB)
- 6.4) Technology-Neutral Framework for Future Plant Licensing (WJS/DCF)

7)	8:30 - 8:35 A.M.	<u>Opening Remarks by the ACRS Chairman</u> (Open) (WJS/CS/SD)
8)	8:35 - 9:30 A.M.	<u>Future ACRS Activities/Report of the Planning and Procedures Subcommittee</u> (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) 9:30 - 9:45 A.M. Reconciliation of ACRS Comments and Recommendations
(Open) (WJS, 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.
- 10) 9:45 - 10:00 A.M. Subcommittee Report (Open) (MVB/CGH)
Report by and discussions with the Chairman of the Plant License Renewal Subcommittee regarding interim review of the license renewal application for the Fitzpatrick Nuclear Plant.
- 10:00 - 10:15 A.M. ***BREAK***
- 11) 10:15 - 11:45 A.M. Draft Report on Quality Assessment of Selected NRC Research Projects (Open) (DAP/HPN)
11.1) Remarks by the Subcommittee Chairman
11.2) Discussion of a draft ACRS report on the results of the quality assessment of the NRC research projects on:
Fatigue Crack Flaw Tolerance in Nuclear Power Plant Piping; Cable Response to Live Fire (CAROLFIRE) Testing; and Technical Review of On-Line Monitoring Techniques for Performance Assessment.
- 11:45 - 12:45 P.M. ***LUNCH***
- 12) 12:45 - 2:45 P.M. Draft ACRS Report on the NRC Safety Research Program (Open) (DAP, et.al/HPN, et.al)
12.1) Remarks by the Subcommittee Chairman
12.2) Discussion of the draft ACRS report on the NRC Safety Research Program.
- 2:45 - 3:00 P.M. ***BREAK***
- 13) 3:00 - 7:00 P.M. Preparation of ACRS Reports (Open)
Discussion of proposed ACRS reports on:
13.1) License Renewal Application for the Pilgrim Nuclear Power Station (OLM/MB)
13.2) Revisions to Standard Review Plan Sections 19.0 and 19.2 (Tentative) (GEA/DCF)
13.3) Proposed Recommendations for Resolving Generic Safety Issue 156.6.1, "Pipe Break Effects on Systems and Components Inside Containment" (WJS/DB)
13.4) Technology-Neutral Framework for Future Plant Licensing (WJS/DCF)

**SATURDAY, SEPTEMBER 8, 2007, CONFERENCE ROOM T-2B3, TWO WHITE FLINT
NORTH, ROCKVILLE, MARYLAND**

- 14) 8:30 - 12:30 P.M. Preparation of ACRS Reports (Open)
(10:30-10:45 BREAK) Continue discussion of proposed ACRS reports listed under Item 13.
- 15) 12:30 - 1:00 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.

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

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Filed: CM-180

LIST OF DOCUMENTS PROVIDED TO THE COMMITTEE
544th ACRS MEETING
July 11 - 13, 2007

MEETING HANDOUTS

<u>AGENDA</u> <u>ITEM #</u>	<u>DOCUMENTS/HANDOUTS LISTED IN ORDER</u>
1.	<u>Opening Remarks by the ACRS Chairman</u> 1. 1.Items of Interest
2.	<u>Sampling Methodology and Statistical Thresholds for Selecting ITAACs for Inspection</u> 2. ITAAC Closure Verification Using Sample-Based Inspection Process (Slides from Richard Rasmussen and Richard Laura, NRC/NRO/DCIP/CCIB)
3.	<u>Dissimilar Metal Weld Issue</u> 3. Proposed Schedule 4. Advanced Finite Element Analyses of Pressurizer Nozzle Weld Flaws (Slides from Ted Sullivan and Al Scontos, NRC/NRR/DCI) 5. Pressurizer Nozzle Dissimilar Metal Weld Advanced Finite Element Analyses (Slides from EPRI/ Amir Shahkarami)
4.	<u>Activities in the Safeguards and Security Area</u> 6. Nuclear Power Plant Security (NRC slides)
5.	<u>Revisions to Draft Final NUREG-1852, "Demonstrating the Feasibility and Reliability of Operator Manual Actions in Response to Fire"</u> 7. NUREG-1852 (Slides from Erasmia Lois, NRC/RES/DRASP)
8.	<u>Draft NUREG-0654, Supplement 3, "Criteria for Protective Action Recommendations for Severe Accidents"</u> 8. Protective Action Recommendation Project (Slides from Shawn Burns, Sandia National Labs) 9. Protective Action Recommendation Study (Slides from Randolph Sullivan, NRC/NSIR) 10. Risk-Informed Evaluation of Protective Action Strategies for Nuclear Plant Offsite Emergency Planning (Slides from David Leaver/Polestar; Stephen Hess/EPRI; Alan Nelson/NEI)
9.	<u>Browns Ferry Nuclear Plant Unit 1 Restart Activities</u> 11. Browns Ferry Unit 1 Restart/Recovery Summary and Plant Status (Slides from NRC staff, Malcolm Widmann, Region II)

[Note: Some documents listed herein may have been provided or prepared for the Committee use only. These documents must be reviewed prior to release to the public.]

APPENDIX V

10. Future ACRS Activities/Report of the Planning and Procedures Subcommittee
 12. Proposed Assignments (Table)
 13. Planning & Procedures/Future Activities Handout from Sam Duraiswamy, NRC/ACRS Staff.
11. Reconciliation of ACRS Comments and Recommendations
 14. Faxed letter from Thomas E. Murley, member of the Public, "Comments on Framework Safety Standard."

**Copies of most of the handouts can be obtained through the transcript copy found in the Agency Document Management System (ADAMS) or a complete set can be requested by calling the ACRS office of the NRC.

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