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JUNE 7-9, 2000

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REPORTS, LETTERS, AND MEMORANDA

REPORT

- Proposed Resolution of Generic Safety Issue 173A, “Spent Fuel Storage Pool for Operating Facilities” (Report to Richard A. Meserve, Chairman, NRC, from Dana A. Powers, Chairman, ACRS, dated June 20, 2000)

LETTERS

- Proposed Final Regulatory Guide and Standard Review Plan Section Associated with the Alternative Source Term Rule (Letter to William D. Travers, Executive Director for Operations, NRC, from Dana A. Powers, Chairman, ACRS, dated June 20, 2000)
- Draft Report, “Regulatory Effectiveness of the Station Blackout Rule” (Letter to William D. Travers, Executive Director for Operations, NRC, from Dana A. Powers, Chairman, ACRS, dated June 22, 2000)

MEMORANDA

- Industry Initiatives in the Regulatory Process (Memorandum to William D. Travers, Executive Director for Operations, NRC, from John T. Larkins, Executive Director, ACRS, dated June 12, 2000)
- AP1000 Pre-Application Review (Memorandum to William D. Travers, Executive Director for Operations, NRC, from John T. Larkins, Executive Director, ACRS, dated June 21, 2000)

APPENDICES

- I. Federal Register Notice
- II. Meeting Schedule and Outline
- III. Attendees
- IV. Future Agenda and Subcommittee Activities
- V. List of Documents Provided to the Committee

CERTIFIED
MINUTES OF THE 473RD MEETING OF THE
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
JUNE 7-9, 2000
ROCKVILLE, MARYLAND

The 473rd meeting of the Advisory Committee on Reactor Safeguards (ACRS) was held in Conference Room 2B3, Two White Flint North Building, Rockville, Maryland, on June 7-9, 2000. Notice of this meeting was published in the *Federal Register* on May 24, 2000 (65 FR 33584) (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. There were no written statements or requests for time to make oral statements from members of the public regarding the meeting.

A transcript of selected portions of the meeting was kept and is available in the NRC Public Document Room at the Gelman Building, 2120 L Street, N.W., Washington, D.C. [Copies of the transcript are available for purchase from Ann Riley & Associates, Ltd., 1025 Connecticut Avenue, N.W., Suite 1014, Washington, D.C. 20036, and on the ACRS/ACNW Web page at (www.NRC.gov/ACRS/ACNW).]

ATTENDEES

ACRS Members: Dr. Dana A. Powers (Chairman), Dr. George Apostolakis (Vice-Chairman), Mr. John Barton, Dr. Mario V. Bonaca, Dr. Thomas S. Kress, Dr. William J. Shack, Dr. Robert L. Seale, Mr. John D. Sieber, Dr. Robert E. Uhrig, and Dr. Graham B. Wallis. For a list of other attendees, see Appendix III.

I. Chairman's Report (Open)

[Note: Dr. John T. Larkins was the Designated Federal Official for this portion of the meeting.]

Dr. Dana A. Powers, Committee Chairman, convened the meeting at 8:30 a.m. and reviewed the schedule for the meeting. He summarized the agenda topics for this meeting and discussed the administrative items for consideration by the full Committee.

II. Proposed Resolution of Generic Safety Issue-173A, "Spent Fuel Storage Pool for Operating Facilities" (Open)

[Note: Dr. Medhat El-Zeftawy was the Designated Federal Official for this portion of the meeting.]

Dr. Thomas S. Kress stated that in 1996, the NRC staff developed and implemented a generic action plan for ensuring the safety of spent fuel storage pools (SFPs) in response to two postulated event sequences involving the SFP at two separate plants (Susquehanna and Dresden 1). Generic Safety Issue (GSI) 173 Part A was initiated for operating facilities. The principal concerns addressed by the action plan (and GSI-173A) involve the potential for a sustained loss of SFP cooling and the potential for a sustained loss of spent fuel coolant inventory that could expose irradiated fuel.

On August 9, 1996, the staff briefed the ACRS regarding the action plan and described three courses of action:

- Plant-specific evaluations or regulatory analyses for safety enhancement backfits.
- Rulemaking implementation of the shutdown rule for SFP operations.
- Revision of staff guidance (Standard Review Plan (SRP) Section 9.1.3 and Regulatory Guide (RG) 1.13)

On October 16, 1998, the ACRS issued its letter endorsing the staff's "HIGH" priority ranking of GSI-173A. Currently, the staff is still in the process of revising its guidance and is working with the industry American Nuclear Society ([ANS] Subcommittee) to revise American National Standards Institute/American Nuclear Society [ANSI/ANS]-57.2 standard.

Mr. Christopher Gratton, NRR, briefed the Committee regarding the status of GSI-173A. He stated that the objective of the staff's presentation is to obtain an agreement from the ACRS that GSI-173A should be closed.

The principal concerns included in GSI-173A involved the potential for a sustained loss of SFP cooling capability, which was identified through the report filed with the NRC relating to Susquehanna, and the potential for a substantial loss of SFP cooling inventory, which was given renewed emphasis following the Dresden 1 special inspection. Postulated adverse conditions that may develop following a

loss-of-coolant accident or a sustained loss of power to SFP cooling system components could prevent restoration of SFP decay heat removal. The heat and water vapor added to the building atmosphere by subsequent SFP boiling could cause failure of accident mitigation or other safety equipment and an associated increase in the consequences of the initiating event. Incomplete administrative controls combined with certain design features, particularly at the oldest facilities, may create the potential for a substantial loss of SFP coolant inventory.

Currently, the focus of the staff's work is on plant-specific evaluations or regulatory analyses for safety enhancement backfits. The staff has identified specific operating reactors in each of the following categories for further evaluation:

- Absence of passive antisiphon devices on piping extending below the top of stored fuel
- Transfer tube(s) within the SFP rather than a separate transfer canal
- Piping entering pool below the top of stored fuel
- Limited instrumentation for loss-of-coolant events
- Absence of leak detection capability or absence of isolation valves in leakage detection system piping
- Shared systems and structures at multi-unit sites
- Absence of onsite power supply for systems capable of SFP cooling
- Limited SFP decay heat removal capability
- Infrequently used backup SFP cooling systems
- Limited instrumentation for loss-of-cooling events
- Refueling cavity seals with pneumatic components

For regulatory analyses, the staff used screening criteria for the frequency of uncovering to within 1 foot of the top of the fuel or loss of cooling for 8 hours. The screening criteria were $\leq 10^{-6}/\text{yr}$ (no action justified); $10^{-6}/\text{yr}$ to $10^{-5}/\text{yr}$ (further evaluation needed); and $\geq 10^{-5}/\text{yr}$ (proceed to value-impact evaluation). During the staff's review, 12 licensees proposed certain voluntary actions. In general, the staff concluded that existing facilities are in compliance with the regulations, and the plant-specific evaluations identified no additional regulatory actions. The staff's actions for rulemaking and revising the SFP guidance are still being developed.

Conclusion

The Committee issued a report to Chairman Meserve on this matter dated June 20, 2000.

III. Regulatory Effectiveness of the Station Blackout Rule

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

Dr. Mario V. Bonaca, Acting Chairman of the Subcommittee on Regulatory Policies and Practices, introduced this topic to the Committee. He stated that the purpose of this session was to discuss with the representatives of the NRC staff the draft report concerning the regulatory effectiveness of the station blackout (SBO) rule.

NRC Staff Presentation

Mr. Jack Rosenthal led the discussions for the staff. He stated that this draft report is related to the agency's goals; this initiative is to examine the effectiveness of major rules, which are clearly related to maintain safety.

Mr. William S. Raughley presented background information regarding the SBO rule. He stated that on June 21, 1988, NRC published the SBO rule to provide further assurance that a loss of both offsite and onsite emergency ac power systems would not adversely affect public health and safety. In May 1997, the Commission directed the staff to use individual plant examination (IPE) results to assess regulatory effectiveness in resolving major safety issues. The staff issued a draft report, which included a set of baseline expectations that were established from the SBO rule and related regulatory documents in the areas of coping capability, risk reduction, emergency diesel generator reliability, and value impacts. The draft report was provided to the Nuclear Energy Institute (NEI) for comments.

The draft report concluded that the SBO rule was effective and that industry and NRC resources spent to implement the SBO rule were reasonable.

Conclusion

The Committee issued a letter to Dr. William D. Travers, Executive Director for Operations, on June 23, 2000.

IV. Proposed Final Standard Review Plan Section and Regulatory Guide Associated With the Revised Source Term Rule

Dr. Kress, cognizant ACRS member for this issue, introduced this topic to the Committee. He presented a brief history on the development of the alternative source term rule and the associated regulatory guide and SRP section. He said that the Committee reviewed the final version of the rule along with the draft versions of the above documents and issued a letter report on this matter in September 1999.

NRC Staff Presentation

Mr. S. LaVie, NRR, discussed the proposed final regulatory guide (DG-1081) and the SRP section (15.0.1) supporting implementation of the alternative source term rule. He cited the background of this issue, noting that the alternative source term rule (10 CFR 50.67) became effective on January 24, 2000. Public comments on the proposed final versions of these documents were extensive: more than 130 comments were received from six entities and individuals.

In response to these comments, the staff modified the regulatory guide in several areas: fuel gap fractions assumed in analyses, selective implementation pursuant to the use of 10 CFR 50.59, and technical changes in the areas of environmental qualification, steam generator iodine transport, and the containment spray decontamination factor, among others. In addition, the staff modified the regulatory guide to address two recommendations made by the ACRS in its September 1999 report. Dr. Kress said that the staff responses to the Committee's recommendations were appropriate.

Drs. Kress and Powers expressed some concern that the staff had retained items in the regulatory guide that appear to be inappropriate for use with the alternative source term. Dr. Kress said that he had compiled a list of these items along with some minor editorial concerns from his reading of the regulatory guide that the staff should address. He said that he would provide this list to the staff for its consideration.

Conclusion

The Committee issued a report to the Executive Director for Operations on this matter dated June 20, 2000.

V. Assessment of the Quality of Probabilistic Risk Assessments

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

Dr. George Apostolakis, Chairman of the ACRS Subcommittee on Reliability and Probabilistic Risk Assessment [PRA], introduced this topic to the Committee. He stated that the purpose of this meeting was to discuss the staff's proposed recommendations to the Commission for addressing the issue of PRA quality until the American Society of Mechanical Engineers (ASME) and the ANS standards have been completed. He noted that the staff's response is due to the Commission by June 30, 2000. He also noted that the staff's proposed Commission paper on this matter is not yet available for ACRS review and suggested that it may be difficult for the Committee to prepare a report during this meeting.

NRC Staff Presentation

Messrs. Thomas King, RES, and Richard Barrett, NRR, led the discussions for the NRC staff. Mr. Mark Cunningham and Ms. Mary Drouin, RES, and Mr. Gareth Parry, NRR, provided supporting discussion. The staff discussed the schedule and status of the ASME and ANS standards development efforts, as well as staff plans to review the subject documents, when available. Significant points made during the presentation include the following:

- ! Issues associated with the technical acceptability of PRAs include the following:
 - S PRA scope and level of analysis required
 - S PRA elements and characteristics
 - S Peer review
 - S PRA application process
 - S Expert panels

- ! Current risk-informed activities in the reactor arena include the following:
 - S Proposed revision to 10 CFR Part 50
 - S Revised reactor oversight process
 - S Operating event assessment review
 - S Risk-informed license amendments

- ! In addressing the issue of PRA quality, the staff will consider proposed licensee approaches for limiting risk, including performance monitoring to complement the level of completeness of PRAs, the robustness of modeling, and quantitative and qualitative risk analysis tools. The staff will also consider industry peer review and certification programs to the extent that they confirm the technical adequacy of PRAs and support integrated decisionmaking.

- ! The staff plans to develop guidance on what the staff considers to be the technical elements and characteristics of a robust PRA. The staff also plans to clarify the level of analysis and/or performance that might be expected for various applications and the role of expert panels in risk-informed decisionmaking.

- ! The staff plans to revise RG 1.174, "An Approach for Using Probabilistic Risk Assessment in Risk-Informed Decisions on Plant-Specific Changes to the Licensing Basis," to endorse the proposed ASME and ANS standards and NEI certification process, as appropriate.

Industry Presentation

Mr. Biff Bradley of NEI made an overview presentation to the Committee. He expressed agreement with the staff's presentation and noted that licensee IPEs have become obsolete. He stated that NEI was working with the Nuclear Steam Supply System (NSSS) Owners Groups to develop a Peer Review Process Guideline (NEI 00-02) to address the quality of PRAs. Mr. Bradley stated that all U.S. nuclear plants are scheduled to undergo the peer review process by the end of Calendar Year 2001. Drs. Apostolakis and Kress requested copies of NEI 00-02 and associated NSSS Owners Group certification processes. The staff informed the Committee that it was currently reviewing the subject documents and agreed to provide copies after the meeting.

Drs. Apostolakis and Wallis suggested that the staff attempt to define what constitutes a "good enough" PRA for making robust decisions. Dr. Kress stated that it could be like "proving a negative" and reiterated the need for a PRA that could provide confidence in decisionmaking. He suggested that there are ways to compensate for varying degrees of PRA quality (e.g., performance monitoring, defense in depth, etc.). The staff stated that it is difficult to identify all the requirements for a quality PRA and expressed preference for clarifying the key elements and characteristics, limitations of PRA, and expectations for analysis and/or performance monitoring.

Dr. Kress questioned whether PRAs would be expected to have robust uncertainty analysis. The staff stated that the NRC plans to identify its expectations of what a PRA should be and suggested that it would be more appropriate for the NEI Peer Review Process to determine the level of uncertainty analysis needed for particular decisions. The staff also stated that expert panels will be a critical part of plant-specific decisionmaking.

Conclusion

The Committee decided to continue its review of this matter during the July 2000 ACRS meeting when the staff's draft Commission paper and the proposed NEI guideline are expected to be available.

VI. Performance-Based Regulatory Initiatives

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

Mr. Jack Sieber, Vice Chairman of the ACRS Subcommittee on Plant Operations, introduced this topic to the Committee. He stated that the purpose of this meeting was to review the proposed high-level guidelines for performance-based activities. He stated that the Committee would consider the staff's actions in response to internal and external stakeholder input and the staff requirements memorandum (SRM) dated September 13, 1999. He noted that the staff's draft Commission paper was not yet available for review by the Committee. He also informed the Committee that a representative of Public Citizen, Critical Mass Energy Project, had requested time to discuss this matter.

NRC Staff Presentation

Mr. Prasad Kadambi, RES, led the discussions for the NRC staff. Messrs. Jack Rosenthal and Farouk Eltawila, RES, provided supporting discussion. Mr. Joseph Birmingham, NRR, also participated. Significant points raised during the staff presentation include the following:

- ! In the SRM dated September 13, 1999, the Commission supported the ongoing performance-based activities described in SECY-99-176 but disapproved the staff's overall plan because it lacked specificity with respect to detailed activities and schedules. The Commission directed the staff to develop high-level guidelines to identify and assess the viability of candidate performance-based activities.

- ! The general goal of this effort is to make the regulations and the regulatory process more efficient and effective. The staff noted that this goal was also consistent with the NRC Strategic Plan, the PRA Policy Statement, Regulatory Guide 1.174, and so on.
- ! The staff issued the proposed guidelines for public comment and held workshops to validate the integration of stakeholder feedback. Overall stakeholder input was generally favorable. However, some public comments expressed concern regarding implementation. The staff plans to pilot test the proposed guidelines over a range of regulatory applications to validate their suitability and to identify candidate performance-based regulatory initiatives.
- ! Risk information may provide the basis for pursuing selected performance-based initiatives, for example, safety enhancements, reduction in unnecessary regulatory burden, and use of risk metrics for evaluating performance and/or thresholds for regulatory action.

Public Citizen Presentation

Ms. Lisa Gue of Public Citizen made a brief presentation to the Committee. Significant points include the following:

- ! Public Citizen is concerned that the public comments were dismissed without proper consideration, that the proposed guidelines would erode regulatory conservatism and plant safety margins, that the guidelines focus on economic efficiency rather than safety performance, and that implementation of the guidelines would weaken public confidence.
- ! Public Citizen believes it is irresponsible to base nuclear safety standards on a probabilistic analysis of risk. Low probability does not justify the devastating consequences of nuclear accidents. The nuclear industry is using PRA to manage costs rather than safety.
- ! Because of the uncertainties in the entire range of probable and improbable events, particularly in the area of waste management, a performance-based regulatory structure can never be truly risk informed. A performance-based system is deficient because it relies on the lack of adverse data to justify a perception of acceptable performance. It

provides a false sense of comfort and does not preclude safety-significant events from occurring.

Dr. Powers questioned whether the NRC has identified metrics for efficiency and effectiveness. The staff stated that the proposed guidelines are intended to be established at a high level and suggested that lower tier implementing procedures could be developed to provide measures of efficiency and effectiveness. The staff noted that an objective of the performance-based approach is to reduce the prescriptive nature of regulatory requirements in order to provide flexibility for licensees in the conduct of operations.

Dr. Apostolakis questioned why monitoring is required if it can be demonstrated that a licensee meets the regulations. The staff stated that the NRC cannot assume that licensees meet the regulatory requirements and license conditions. The NRC will still continue to perform operational safety verification through its inspection, assessment, and enforcement programs.

Dr. Seale questioned the extent to which internal NRC stakeholder feedback was solicited on the proposed guidelines. In particular, he questioned the involvement of and feedback from regional and resident inspectors. The staff stated that most of the internal feedback was from persons working in the licensing and rulemaking areas. Dr. Seale noted that inspectors often provide the most valuable contributions and suggested that more be done to solicit their feedback.

Dr. Apostolakis questioned how the staff plans to consider uncertainties and defense in depth. The staff stated that it plans to develop examples or case studies to illustrate the possible use of these guidelines in revising regulations to be performance based and in considering possible performance-based approaches to meet existing regulatory requirements.

At the conclusion of the meeting, Dr. Powers expressed the view that the proposed guidelines presented no new information on the subject of performance-based regulation. Dr. Shack and Mr. Sieber noted that the questions used to solicit feedback in selected areas were valuable and suggested that they be considered more prominently in the proposed final version of the guidelines. Dr. Shack stated that Public Citizen does not believe that regulatory burden can be reduced without adversely affecting safety. Mr. Sieber noted that the staff is continuing to solicit feedback on the proposed guidelines by way of an on-line Internet workshop. He also noted that it is not yet apparent what the staff's recommendations to the Commission will be; therefore, he suggested that the

Committee defer preparing a report or a letter on this matter until the staff's draft Commission paper is available.

Conclusion

The Committee decided to continue its review of this matter during the July 2000 ACRS meeting when the staff's draft Commission paper is expected to be available.

VII. Use of Industry Initiatives in the Regulatory Process

[Note: Mr. Noel F. Dudley was the Designated Federal Official for this portion of the meeting.]

Mr. John Barton, Acting Chairman of the Regulatory Policy and Practices Subcommittee, stated that the guidelines proposed by the staff for using industry initiatives in the regulatory process contain substantial detail and could preclude, in some cases, the need for regulatory action.

NRC Staff Presentation

Mr. Richard Wessman, NRR, presented background information related to the development of the proposed Commission paper concerning the guidelines. Mr. C. E. Carpenter, NRR, explained that the purpose of the guidelines is to ensure that future initiatives proposed by applicable industry groups would be treated and evaluated in a consistent, controlled, and open manner. He explained the industry initiatives process and presented recommendations and future actions. Mr. Carpenter concluded that the guidelines provided flexibility to licensees while making optimal use of existing regulatory processes. He stressed that the guidelines provide for public participation in the process and for making related information available to all stakeholders.

The ACRS members and the staff discussed whether the guidelines would impose additional regulatory burden on licensees, details of the industry initiatives process, and funding for the staff's review of the industry initiatives process.

Nuclear Energy Institute Presentation

Mr. Alex Marion, NEI, stated that NEI had been involved in the stakeholder meetings and had submitted two sets of written comments on the process. He explained that NEI has a broad spectrum of concerns, including the following:

- using industry initiatives as a substitute or an alternative for regulatory action,
- early determination of whether the issue is technical or regulatory,
- holding early and frequent communications with the industry in public meetings, and
- pursuing complementary sets of activities between the staff and the industry.

Mr. Marion stated that NEI would like the staff to respond to its comments. He explained NEI's position that if a proposed industry initiative would be subject to NRC inspection and enforcement, then the NRC must pursue regulatory action.

The ACRS members, Mr. Marion, and the staff discussed the flow chart used to depict the industry initiatives and the enforcement of commitments associated with industry initiatives.

Conclusion

The Committee had no objection to the staff's issuing these guidelines for public comment and would like the opportunity to review the proposed final guidelines after resolution of public comments.

VIII. Safety Culture at Operating Nuclear Power Plants

[Note: Mr. Noel F. Dudley was the Designated Federal Official for this portion of the meeting.]

Dr. Dana Powers, Chairman of the ACRS, introduced Mr. John Sorensen, ACRS Fellow, and noted that the ACRS had been discussing the issue of safety culture at operating nuclear power plants for more than 3 years. Dr. Powers stated that safety culture has been considered an important aspect of safety but has never been quantified. He explained that Mr. Sorensen would provide a clear picture of what is meant by "safety culture."

Mr. Sorensen stated that he had written a white paper concerning safety culture at operating nuclear power plants. He explained what safety culture is, why it is important, and what the NRC staff could do. He recommended that the staff

identify the essential attributes of safety culture and associated performance indicators and ensure that licensees maintain effective root cause analysis processes.

The ACRS members and Mr. Sorensen discussed the use of alternative phases, such as general culture and quality culture, the correlation between safety culture and potential performance indicators, how to teach and inspect the elements of safety culture, and the importance of a risk-informed, performance-based regulatory system.

Conclusion

The Committee decided to consider preparation of a report to the Commission concerning safety culture in nuclear power plants during the ACRS meeting on July 12-14, 2000.

IX. Proposed Plan and Assignments for Reviewing License Renewal Guidance Documents

[Note: Mr. Noel F. Dudley was the Designated Federal Official for this portion of the meeting.]

The Committee heard a presentation by Dr. Bonaca, Chairman of the Plant License Renewal Subcommittee, concerning plans for the ACRS to review license renewal guidance documents and ACRS member assignments for reviewing these documents. Dr. Bonaca outlined the scoping and screening processes used for identifying systems and components subject to aging management programs. He explained how the proposed Generic Aging Lessons Learned report would be used as a reference for aging management programs acceptable to the staff. The Committee discussed and revised proposed items that would be used to focus its review.

Conclusion

The Committee decided to hear a briefing by the staff at the ACRS meeting on August 30-September 1, 2000, concerning an overview of the proposed license renewal guidance documents.

X. Executive Session (Open)

[Note: Dr. John T. Larkins was the Designated Federal Official for this portion of the meeting.]

A. Reconciliation of ACRS Comments and Recommendations

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

- The Committee discussed the response from the NRC Executive Director for Operations (EDO) dated May 26, 2000, to the ACRS comments and recommendations included in the ACRS report dated April 13, 2000, concerning the draft final technical study of spent fuel pool accident risk at decommissioning nuclear power plants.

As a result of the ACRS comments and recommendations, the staff has defined additional technical work that needed to be performed and included in the final report. The Committee plans to review and comment on the final report.

- The Committee discussed the response from the EDO, dated May 26, 2000, to ACRS comments and recommendations included in the ACRS report dated April 13, 2000, concerning the NRC program for risk-based analysis of reactor operating experience.

The Committee decided that it was satisfied with the EDO's response.

- The Committee discussed the response from the EDO dated May 12, 2000, to ACRS comments and recommendations included in its letter dated April 17, 2000, concerning the Commission's Reactor Safety Goal Policy Statement.

The Committee decided that it was satisfied with the EDO response.

B. Report on the Meeting of the Planning and Procedures Subcommittee (Open)

The Committee heard a report from Dr. Powers and the Executive Director, ACRS, on the Planning and Procedures Subcommittee meeting held on June 6, 2000. The following items were discussed:

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

Member assignments and priorities for ACRS reports and letters for the June ACRS meeting were included in a separate handout. Reports and letters that would benefit from additional consideration at a future ACRS meeting were discussed.

- Anticipated Workload for ACRS Members

The anticipated workload of the ACRS members through September 2000 were discussed. The objectives were:

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

The Subcommittee discussed and developed recommendations on the items that require Committee decision.

- Meeting with Industry Representatives

During the January 2000 retreat, the ACRS discussed ways in which the Committee could interact with industry, including NEI, INPO, and utilities, to obtain information on significant industry issues. Dr. Apostolakis and Dr. Savio were tasked with making arrangements with NEI for a discussion between ACRS and NEI at a future ACRS meeting on NEI regulatory initiatives. The discussion has been tentatively scheduled for the October 2000 ACRS meeting.

- Meeting With the NRC Commissioners

The ACRS is scheduled to meet with the NRC Commissioners between on Thursday, October 5, 2000 in the Commissioners' Conference Room, One White Flint North. A list of topics proposed by the ACRS staff is as follows:

- S Risk-Informed Regulation
Option 2 and Option 3 activities
NEI letter dated January 19, 2000

- S PRA quality
- S Status of ACRS Activities Associated with License Renewal
- S Safety Culture at Nuclear Power Plants

- AP1000 Advanced Reactor Design

The staff has started the Phase 1 review of the AP1000 advanced reactor design. During this phase, the staff will identify questions and policy issues that will be evaluated during Phase 2 (feasibility) review. During the May 2000 meeting, the Committee suggested that the members identify issues that they believe should be evaluated by the staff during Phase 2.

- Technical Expertise Needed for Future ACRS Members

The Commission has recently selected Mr. Graham Leitch to be appointed as a new member to the ACRS and he is expected to attend the September ACRS meeting. Regarding future vacancies on the Committee, the Commission has asked the ACRS/ACNW Executive Director to identify specific technical expertise that is needed.

- Proposed Assignment and Guidance for Reviewing License Renewal Guidance Documents

The staff is in the process of preparing a Standard Review Plan, Generic Aging Lessons Learned II (GALL II) Report, and a Regulatory Guide associated with license renewal. The Committee needs to complete its review of these documents in November 2000. Dr. Bonaca, Chairman of the Plant License Renewal Subcommittee, has proposed assignments for the members for reviewing these documents.

- ACRS/ACNW Self Assessment

The Commission paper (SECY-00-0102) on the CY 1999 self-assessment of ACRS and ACNW performance was issued on May 5, 2000.

- ACRS Memorandum of Understanding

A draft Memorandum of Understanding between the ACRS and the EDO was provided to the ACRS members during the May ACRS meeting. The EDO will provide this draft to NRR, NMSS, RES, and OGC for review.

- Letter from Gordon Thompson on Spent Fuel Pool Accident Risk at Decommissioning Nuclear Power Plants

Mr. Gordon Thompson forwarded a letter to Dr. Powers raising issues on Spent Fuel Pool Accidents. In his letter, comparisons are made between the NRC staff's technical study for decommissioning plants and operating plants. He recommended that the ACRS take two actions: (1) independently investigate both operating and decommissioning plants and (2) recommend that the NRC immediately initiates a comprehensive investigation of the state of knowledge on scientific issues relevant to the risk posed by spent fuel pools. Also, he provided a report to the NRC's Licensing Board and volunteered to discuss these matters with the ACRS.

- Other Issues

Based on discussion of other issues, the Subcommittee makes the following recommendations:

- S The trip to Germany to meet with RSK previously scheduled for June 2000 has been postponed.
- S Drs. Apostolakis and Bonaca will attend the ASME workshop scheduled for June 27, 2000, in Rockville to discuss the proposed final ASME Standard for PRA Quality.
- S The members should develop a list of issues associated with power uprates to be sent to the NRC staff for discussion at a future meeting of the Thermal-Hydraulic Phenomena Subcommittee.
- S Mr. Sieber should recommend whether he and Mr. Singh should attend the Fire Protection Conference in London scheduled for February 12-14, 2001. Attendance would be contingent upon presenting a paper during this conference.
- S Dr. Apostolakis will propose assignments for the members for reviewing the proposed final ASME Standard (Phase 1) and the proposed ANS Standard (Phase 2) for PRA Quality, which are scheduled for discussion during the July and September 2000 meetings, respectively.

473rdACRS Meeting
June 7-9, 2000

C. Future Meeting Agenda

Appendix IV summarizes the proposed items endorsed by the Committee for the 474th ACRS Meeting, July 12-14, 2000.

The 473rd ACRS meeting was adjourned at 12:45 p.m. on June 9, 2000.

videoteleconferencing link. The availability of videoteleconferencing services is not guaranteed.

Dated: May 17, 2000.

Andrew L. Bates,

Advisory Committee Management Officer.

[FR Doc. 00-13061 Filed 5-23-00; 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 Advisory Committee on Reactor Safeguards will hold a meeting on June 7-9, 2000, in Conference Room T-2B3, 11545 Rockville Pike, Rockville, Maryland. The date of this meeting was previously published in the *Federal Register* on Thursday, October 14, 1999 (64 FR 55787).

Wednesday, June 7, 2000

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.-10:00 A.M.: Proposed Resolution of Generic Safety Issue-173A, "Spent Fuel Storage Pool for Operating Facilities" (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the proposed resolution of Generic Safety Issue-173A.

10:15 A.M.-11:45 A.M.: Regulatory Effectiveness of the Station Blackout Rule (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the results of the review performed by the staff to determine the regulatory effectiveness of the Station Blackout Rule.

12:45 P.M.-2:15 P.M.: Proposed Final Standard Review Plan Section and Regulatory Guide Associated with the Revised Source Term Rule (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the proposed final Standard Review Plan Section and Regulatory Guide associated with the application of the revised source term for operating nuclear power plants.

2:30 P.M.-4:30 P.M.: Assessment of the Quality of Probabilistic Risk Assessments (PRAs) (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff

regarding the staff's proposal to address PRA quality until the industry standards have been completed, including the potential role of industry PRA certification process.

4:30 P.M.-5:30 P.M.: Break and Preparation of Draft ACRS Reports (Open)—Cognizant ACRS members will prepare draft reports, as needed, for consideration by the full Committee.

5:30 P.M.-7:00 P.M.: Discussion of Proposed ACRS Reports (Open)—The Committee will discuss proposed ACRS reports on matters considered during this meeting.

Thursday, June 8, 2000

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.-10:00 A.M.: Performance-Based Regulatory Initiatives (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding a draft Commission Paper associated with performance-based regulatory initiatives and related matters.

10:15 A.M.-11:30 A.M.: Use of Industry Initiatives in the Regulatory Process (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding use of industry initiatives in the regulatory process.

11:30 A.M.-12:00 Noon: Safety Culture at Operating Nuclear Power Plants (Open)—The Committee will hear a presentation by and hold discussions with Mr. Sorensen, ACRS Senior Fellow, regarding the safety culture at operating nuclear power plants.

1:00 P.M.-1:30 P.M.: Visit to Davis Besse Nuclear Power Plant and Meeting with NRC Region III Personnel (Open)—The Committee will hear a presentation by and hold discussions with Mr. Singh, ACRS Senior Staff Engineer, regarding the proposed schedule for touring the Davis Besse Nuclear Power Plant, specific plant areas to be visited, proposed topics for discussion with representatives of the licensee, and the NRC Region III Office.

1:30 P.M.-2:00 P.M.: Proposed Plan and Assignments for Reviewing License Renewal Guidance Documents (Open)—The Committee will discuss the proposed plan and member assignments for reviewing the license renewal guidance documents (Standard Review Plan, Regulatory Guide, and Generic Aging Lessons Learned II Report).

2:00 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 (EDO) to comments and recommendations included in recent ACRS reports and letters. The EDO responses are expected to be made available to the Committee prior to the meeting.

2:15 P.M.-3:00 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, and organizational and personnel matters relating to the ACRS.

3:00 P.M.-4:00 P.M.: Break and Preparation of Draft ACRS Reports (Open)—Cognizant ACRS members will prepare draft reports, as needed, for consideration by the full Committee.

4:00 P.M.-7:00 P.M.: Discussion of Proposed ACRS Reports (Open)—The Committee will discuss proposed ACRS reports.

Friday, June 9, 2000

8:30 A.M.-2:30 P.M.: Discussion of Proposed ACRS Reports (Open)—The Committee will continue its discussion of proposed ACRS reports.

2:30 P.M.-3:00 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 28, 1999 (64 FR 52353). In accordance with these 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 and questions may be asked only by members of the Committee, its consultants, and staff. Persons desiring to make oral statements should notify Mr. Sam Duraiswamy, ACRS, 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 this 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

contacting Mr. Sam Duraiswamy 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 Mr. Sam Duraiswamy if such rescheduling would result in major inconvenience.

Further information regarding topics to be discussed, whether the meeting has been canceled or rescheduled, 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 (telephone 301/415-7364), between 7:30 a.m. and 4:15 p.m., EDT.

ACRS meeting agenda, meeting transcripts, and letter reports are available for downloading or viewing on the internet at <http://www.nrc.gov/ACRSACNW>.

Videoteleconferencing 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 4:15 p.m., EDT, 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 facilities that they use to establish the videoteleconferencing link. The availability of videoteleconferencing services is not guaranteed.

Dated: May 18, 2000.

Andrew L. Bates,

Advisory Committee Management Officer.

[FR Doc. 00-13060 Filed 5-23-00; 8:45 am]

BILLING CODE 7890-01-P

NUCLEAR REGULATORY COMMISSION

Advisory Committee on Reactor Safeguards, Joint Meeting of the Subcommittees on Plant Operations and Fire Protection; Notice of Meeting

The ACRS Subcommittees on Plant Operations and Fire Protection will hold a joint meeting on June 14, 2000, NRC Region III Office, 801 Warrenville Road, Alton, Illinois.

The entire meeting will be open to public attendance.

The agenda for the subject meeting shall be as follows:

Wednesday, June 14, 2000—8:30 a.m. Until the Conclusion of Business

The Subcommittees will discuss items of mutual interest with the representatives of NRC Region III Office, including plant performance review process, implementation challenges associated with the revised inspection and assessment programs, and fire protection issues. The purpose of this meeting is to gather information, analyze relevant issues and facts, and to formulate proposed positions and actions, as appropriate, for deliberation by the full Committee.

Oral statements may be presented by members of the public with the concurrence of the Subcommittee Chairman and written statements will be accepted and made available to the Committee. Electronic recordings will be permitted only during those portions of the meeting that are open to the public, and questions may be asked only by members of the Subcommittees, their consultants, and staff. Persons desiring to make oral statements should notify the cognizant ACRS staff engineer named below five days prior to the meeting, if possible, so that appropriate arrangements can be made.

During the initial portion of the meeting, the Subcommittees, along with any of their consultants who may be present, may exchange preliminary views regarding matters to be considered during the balance of the meeting.

The Subcommittees will then hear presentations by and hold discussions with representatives of the NRC Region III Office, and other interested persons regarding this review.

Further information regarding topics to be discussed, whether the meeting has been canceled or rescheduled, and the Chairman's ruling on requests for the opportunity to present oral statements and the time allotted therefor, can be obtained by contacting the cognizant ACRS staff engineer, Mr. Amarjit Singh (telephone 301/415-6899) between 7:30 a.m. and 4:15 p.m. (EDT). Persons planning to attend this meeting are urged to contact the above named individual one or two working days prior to the meeting to be advised of any potential changes to the agenda, etc., that may have occurred.

Dated: May 17, 2000.

Richard K. Major,

Acting Associate Director for Technical Support, ACRS/ACNW.

[FR Doc. 00-13062 Filed 5-23-00; 8:45 am]

BILLING CODE 7890-01-P

NUCLEAR REGULATORY COMMISSION

Sunshine Act Meeting

AGENCY HOLDING THE MEETING: Nuclear Regulatory Commission.

DATE: Weeks of May 22, 29, June 5, 12, 19, and 26, 2000.

PLACE: Commissioners' Conference Room, 11555 Rockville Pike, Rockville, Maryland.

STATUS: Public and Closed.

MATTERS TO BE CONSIDERED:

Week of May 22

Thursday, May 25

8:30 a.m. Briefing on Operating Reactors and Fuel Facilities (Public Meeting) (Contact: Joe Shea, 301-415-1727)

10:15 a.m. Briefing on Status of Regional Programs, Performance and Plans (Public Meeting) (Contact: Joe Shea, 301-415-1727)

1:25 a.m. Affirmation Session (Public Meeting)

a: Hydro Resources, Inc., Docket No. 40-8968-ML, Memorandum and Order (Financial Assurance for Decommissioning Issues), LBP-99-13, 49 NRC 233 (March 9, 1999); and Memorandum and Order (Motion to Hold in Abeyance), LBP-99-40 (October 19, 1999); and,

b: Final Rule: "Elimination of the Requirement for Noncombustible Fire Barrier Penetration Seal Materials and Other Minor Changes" (10 CFR Part 50) (WITS 199800128) (Contact: Ken Hart, 301-415-1659)

1:30 p.m. Briefing on Improvements to 2.206 Process (Public Meeting) (Contact: Andrew Kugler, 301-415-2828)

Week of May 29—Tentative

Tuesday, May 30

9:25 a.m. Affirmation Session (Public Meeting) (If needed)

Week of June 5

There are no meetings scheduled for the Week of June 5.

Week of June 12—Tentative

Tuesday, June 13

9:25 a.m. Affirmation Session (Public Meeting) (If needed)

9:30 a.m. Meeting with Organization of Agreement States (OAS) and Conference of Radiation Control Program Directors (CRCPD) (Public Meeting) (Contact: Paul Lohaus, 301-415-3340)

1:00 p.m. Meeting with Korean Peninsula Energy Development



UNITED STATES
NUCLEAR REGULATORY COMMISSION
 ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
 WASHINGTON, D.C. 20555-0001
 June 1, 2000

SCHEDULE AND OUTLINE FOR DISCUSSION
473rd ACRS MEETING
JUNE 7-9, 2000

**WEDNESDAY, JUNE 7, 2000, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH,
 ROCKVILLE, MARYLAND**

- 1) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open)
- 1.1) Opening statement (DAP/JTL/SD)
 - 1.2) Items of current interest (DAP/NFD/SD)
 - 1.3) Priorities for preparation of ACRS reports (DAP/JTL/SD)
- 2) 8:35 - 10:00 A.M. Proposed Resolution of Generic Safety Issue-173A, "Spent Fuel Storage Pool for Operating Facilities" (Open) (TSK/MME)
- 2.1) Remarks by the Subcommittee Chairman
 - 2.2) Briefing by and discussions with representatives of the NRC staff regarding the proposed resolution of Generic Safety Issue-173A.

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

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

- 3) 10:15 - ^{11:30}11:45 A.M. Regulatory Effectiveness of the Station Blackout Rule (Open) (MVB/NFD/AS)
- 3.1) Remarks by the Subcommittee Chairman
 - 3.2) Briefing by and discussions with representatives of the NRC staff regarding the results of the review performed by the staff to determine the regulatory effectiveness of the Station Blackout Rule.

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

^{11:30 - 12:05}
11:45 - 12:45 P.M. *LUNCH*****

- 4) ^{1:05 - 2:00}
 12:45 - 2:15 P.M. Proposed Final Standard Review Plan Section and Regulatory Guide Associated with the Revised Source Term Rule (Open) (TSK/PAB/MWW)
- 4.1) Remarks by the Subcommittee Chairman
 - 4.2) Briefing by and discussions with representatives of the NRC staff regarding the proposed final Standard Review Plan Section and Regulatory Guide associated with the application of the revised source term for operating nuclear power plants.

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

- 2:00
~~2:15~~ - 2:30 P.M. ***BREAK***
- 5) 2:30 - ~~4:30~~ P.M. ^{4:25} Assessment of the Quality of Probabilistic Risk Assessments (PRAs)
 (Open) (GA/MTM)
 5.1) Remarks by the Subcommittee Chairman
 5.2) Briefing by and discussions with representatives of the NRC staff regarding the staff's proposal to address PRA quality until the industrial standards have been completed, including the potential role of industry PRA certification process.
- Representatives of the nuclear industry will provide their views, as appropriate.
- 6) 4:30 - 5:30 P.M. Break and Preparation of Draft ACRS Reports (Open)
 Cognizant ACRS members will prepare draft reports, as needed, for consideration by the full Committee.
- 7) 5:30 - 7:00 P.M. Discussion of Proposed ACRS Reports (Open)
 Discussion of proposed ACRS reports on:
 5:30-6:00
 6:10-7:00 +
 6:00-6:05
 7.1) Proposed Resolution of Generic Safety Issue-173A, "Spent Fuel Storage Pool for Operating Facilities" (TSK/MME)
 7.2) Proposed Final Standard Review Plan Section and Regulatory Guide Associated with the Revised Source Term Rule (TSK/PAB/MWW)
 7.3) Regulatory Effectiveness of the Station Blackout Rule (tentative) (MVB/NFD)

THURSDAY, JUNE 8, 2000, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 8) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (DAP/SD)
- 9) 8:35 - 10:00 A.M. Performance-Based Regulatory Initiatives (Open) (JDS/MTM)
 9.1) Remarks by the Subcommittee Chairman
 9.2) Briefing by and discussions with representatives of the NRC staff regarding a draft Commission Paper associated with performance-based regulatory initiatives and related matters.
 9:37-10:00
 9.3) Lisa Gue (Public Citizens Critical Mass)
 Representatives of the nuclear industry will provide their views, as appropriate.
- 10:00 - ~~10:15~~ ^{10:20} A.M. ***BREAK***
- 10) ~~10:15~~ - ^{10:20-11:18} 11:30 A.M. Use of Industry Initiatives in the Regulatory Process (Open)
 (JJB/NFD)
 10.1) Remarks by the Subcommittee Chairman
 10.2) Briefing by and discussions with representatives of the NRC staff regarding use of industry initiatives in the regulatory process.

11:00-11:18

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

11) ^{11:20-12:25}
~~11:30 - 12:00~~ Noon

Safety Culture at Operating Nuclear Power Plants (Open)
(GA/NFD/JS)

11.1) Remarks by the Subcommittee Chairman

11.2) Briefing by and discussions with Mr. Sorensen, ACRS Senior Fellow, regarding the safety culture at operating nuclear power plants.

Representatives of the NRC staff will provide their views, as appropriate.

^{12:25-1:30}
~~12:00 - 1:00 P.M.~~

LUNCH

12) ^{1:30-1:55}
~~1:00 - 1:30~~ P.M.

Visit to Davis Besse Nuclear Power Plant and Meeting with NRC Region III Personnel (Open) (JJB/AS) → Sr Staff Engineer briefed Committee

12.1) Remarks by the Subcommittee Chairman

12.2) Briefing by and discussion with Mr. Singh, ACRS Senior Staff Engineer, regarding the proposed schedule for touring the Davis Besse Nuclear Power Plant, specific plant areas to be visited, proposed topics for discussion with representatives of the licensee, and the NRC Region III Office.

13) ^{1:57-3:15}
~~1:30 - 2:00~~ P.M.

Proposed Plan and Assignments for Reviewing License Renewal Guidance Documents (Open) (MVB/NFD)

Discussion of the proposed plan and member assignments for reviewing the license renewal guidance documents (Standard Review Plan, Regulatory Guide, and Generic Aging Lessons Learned II Report).

14) ^{3:15-3:25}
~~2:00 - 2:15~~ P.M.
4:00-4:08

Reconciliation of ACRS Comments and Recommendations (Open)
(DAP, 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.

15) ^{4:08-5:10}
~~2:15 - 3:00~~ P.M.

Future ACRS Activities/Report of the Planning and Procedures Subcommittee (Open) (DAP/JTL/SD)

15.1) Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee during future ACRS Meetings.

15.2) Report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business, and organizational and personnel matters relating to the ACRS.

16) ^{3:25}
~~3:00 - 4:00~~ P.M.

Break and Preparation of Draft ACRS Reports (Open)

Cognizant ACRS members will prepare draft reports, as needed, for consideration by the full Committee.

5:10-5:45 Break

5:45 - 7:25
17) ~~4:00 - 7:00 P.M.~~

6/9
Final

9:50 - 10:15
Final
Final

6/8
3:30 - 3:45

3:40 - 3:45

3:50 - 4:00

9:20 - 9:30

Discussion of Proposed ACRS Reports

Discussion of proposed ACRS reports on:

- 17.1) Assessment of PRA Quality (GA/MTM)
17.2) Proposed Resolution of Generic Safety Issue-173A, "Spent Fuel Storage Pool for Operating Facilities" (TSK/MME)
17.3) Regulatory Effectiveness of the Station Blackout Rule (tentative) (MVB/NFD)
17.4) Proposed Final Standard Review Plan Section and Regulatory Guide Associated with the Revised Source Term Rule (TSK/PAB/MWW)
17.5) Performance-Based Regulatory Initiatives (tentative) (JDS/MTM)
17.6) Use of Industry Initiatives in the Regulatory Process (JJB/NFD)
17.7) Safety Culture at Nuclear Power Plants (tentative) (GA/NFD/JS)

FRIDAY, JUNE 9, 2000, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

12:45
18) 8:30 - ~~2:30~~ P.M.

Discussion of Proposed ACRS Reports (Open)

Continue discussion of proposed ACRS reports listed under Item 17.

8:55 - 9:20 Discuss topics for meeting w/Commission in October

12:00 - 1:00 P.M.

LUNCH

19) ~~2:30 - 3:00 P.M.~~

Miscellaneous (Open) (DAP/JTL)

~~Discussion of matters related to the conduct of Committee activities and matters and specific issues that were not completed during previous meetings, as time and availability of information permit.~~

NOTE:

- Presentation time should not exceed 50 percent of the total time allocated for a specific item. The remaining 50 percent of the time is reserved for discussion.
- Number of copies of the presentation materials to be provided to the ACRS - 35.

APPENDIX III: MEETING ATTENDEES

473RD ACRS MEETING

June 7-9, 2000

NRC STAFF (June 7, 2000)

G. Millman, OEDO
E. Throm, NRR
G. Kelly, NRR
G. Hubbard, NRR
S. Lee, NRR
T. Eaton, NRR
T. Collins, NRR
F. Gallardo, NRR
J. Lening, III, NRR
J. Lee, NRR
S. LaVie, NRR
M. Blumberg, NRR
R. Emch, NRR
R. Barrett, NRR
J. Williams, NRR
J. Hyslop, NRR
I. Jung, NRR
G. Parry, NRR
S. Dinsmore, NRR
J. Ibarra, RES
H. VanderMolen, RES
B. Roughley, RES
F. Eltawila, RES
T. Wolf, RES
J. Rosenthal, RES
A. El-Bassioni, RES
M. Drouin, RES
J. Lanz, RES

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC

F. Saba, NUSIS	P. Campbell, Winston & Strawn
A. Wyche, SERCH/Bechtel	B. Bradley, NEI
B. Youngblood, ISL	
A. Marion, NEI	
P. Negus, GE	
J. Meyer, ISL	
M. Radvansky, GPU	
M. Khakb-Rabba, ERI	
K. Cozens, NEI	

NRC STAFF (June 8, 2000)

J. Rosenthal, RES
N. Kadambi, RES
F. Eltawila, RES
B. Schoenfeld, RES
J. Kramer, RES
G. Lanik, RES
J. Birmingham, NRR
S. West, NRR
C. Carpenter, NRR
D. Wessman, NRR
B. Hermann, NRR
P. T. Kuo, NRR
B. Jasinski, OPA

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC

B. Youngblood, ISL
L. Gue, Public Citizen
H. Fonticella, Dominion Generation
F. Saba, NUSIS
D. Raleigh, SERCH/Bechtel
A. Marion, NEI
P. Negus, GE
J. Riccio, Public Citizen

NRC STAFF (June 9, 2000)

J. Persensky, RES



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

June 21, 2000

SCHEDULE AND OUTLINE FOR DISCUSSION
474TH ACRS MEETING
JULY 12-14, 2000

**WEDNESDAY, JULY 12, 2000, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH,
 ROCKVILLE, MARYLAND**

- 1) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open)
 - 1.1) Opening statement (DAP/JTL/SD)
 - 1.2) Items of current interest (DAP/NFD/SD)
 - 1.3) Priorities for preparation of ACRS reports (DAP/JTL/SD)

- 2) 8:35 - 10:30 A.M. Activities Associated with Risk-Informing 10 CFR Part 50 (Open)
 - 2.1) Remarks by the Subcommittee Chairman
 - 2.2) Briefing by and discussions with representatives of the NRC staff and the Nuclear Energy Institute (NEI) regarding:
 - a) Proposed revision to 10 CFR 50.44 concerning combustible gas control system and advance notice of proposed rulemaking (10 CFR 50.69 and Appendix T) (WJS/MTM)
 - b) NEI letter dated January 19, 2000 (TSK/NFD)

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

- 3) 10:45 - 11:45 A.M. Assessment of the Quality of the Probabilistic Risk Assessments (Open) (GA/MTM/MWW)
 - 3.1) Remarks by the Subcommittee Chairman
 - 3.2) Briefing by and discussions with representatives of the NRC staff regarding a draft Commission paper on the assessment of the quality of probabilistic risk assessments (PRAs).

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

- 11:45 - 1:15 P.M. *****LUNCH*****

- 4) 1:15 - 3:15 P.M. Proposed Final ASME Standard for PRA Quality (Open) (GA/MTM)
 - 4.1) Remarks by the Subcommittee Chairman
 - 4.2) Briefing by and discussions with representatives of the American Society of Mechanical Engineers (ASME) regarding the proposed final ASME Standard for PRA quality.

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

- 3:15 - 3:30 P.M. ***BREAK*****
- 5) 3:30 - 4:30 P.M. Break and Preparation of Draft ACRS Reports (Open)
Cognizant ACRS members will prepare draft reports, as needed, for consideration by the full Committee.
- 6) 4:30 - 7:00 P.M. Discussion of Proposed ACRS Reports (Open)
Discussion of proposed ACRS reports on:
- 6.1) Proposed Revision to 10 CFR 50.44 concerning combustible gas control system and advance notice of proposed rulemaking (10 CFR 50.69 and Appendix T) (WJS/MTM)
 - 6.2) NEI Letter on Risk-Informing 10 CFR Part 50 (TSK/NFD)
 - 6.3) Assessment of the Quality of PRAs (GA/MTM/MWW)
 - 6.4) Proposed final ASME Standard for PRA Quality (GA/MTM)
 - 6.5) Safety Culture at Nuclear Power Plants (GA/NFD/JS)

THURSDAY, JULY 13, 2000, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 7) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (DAP/SD)
- 8) 8:35 - 9:30 A.M. Annual Report to the Commission on the NRC Safety Research Program (Open) (DAP/MME)
Discussion of the format and content of the annual ACRS report to the Commission on the NRC Safety Research Program.
- 9) 9:30 - 9:45 A.M. Reconciliation of ACRS Comments and Recommendations (Open) (DAP, 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 - 10:30 A.M. Future ACRS Activities/Report of the Planning and Procedures Subcommittee (Open) (DAP/JTL/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, and organizational and personnel matters relating to the ACRS.
- 10:30 - 10:45 A.M. ***BREAK*****
- 11) 10:45 - 11:45 A.M. Break and Preparation of Draft ACRS Reports (Open)
Cognizant ACRS members will prepare draft reports, as needed, for consideration by the full Committee.
- 11:45 - 12:45 P.M. ***LUNCH*****

- 12) 12:45 - 6:00 P.M. Discussion of Proposed ACRS Reports
 Discussion of proposed ACRS reports on:
- 12.1) Proposed Revision to 10 CFR 50.44 concerning combustible gas control system and advance notice of proposed rulemaking (10 CFR 50.69 and Appendix T) (WJS/MTM)
 - 12.2) NEI Letter on Risk-Informing 10 CFR Part 50 (TSK/NFD)
 - 12.3) Assessment of the Quality of PRAs (GA/MTM/MWW)
 - 12.4) Proposed final ASME Standard for PRA Quality (GA/MTM)
 - 12.5) Safety Culture at Nuclear Power Plants (GA/NFD/JS)

FRIDAY, JULY 14, 2000, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 13) 8:30 - 11:30 A.M. Discussion of Proposed ACRS Reports (Open)
 (10:00-10:15 A.M. BREAK) Continue discussion of proposed ACRS reports listed under Item 12.
- 14) 11:30 - 1:30 P.M. Topics for Meeting with the NRC Commissioners on October 5, 2000
 Discussion of topics for meeting with the Commissioners scheduled for October 5, 2000.
- 15) 1:30 - 2:00 P.M. Miscellaneous (Open) (DAP/JTL)
 Discussion of matters related to the conduct of Committee activities and matters and specific issues that were not completed during previous meetings, as time and availability of information permit.

NOTE:

- **Presentation time should not exceed 50 percent of the total time allocated for a specific item. The remaining 50 percent of the time is reserved for discussion.**
- **Number of copies of the presentation materials to be provided to the ACRS - 35.**

APPENDIX V
LIST OF DOCUMENTS PROVIDED TO THE COMMITTEE
473RD ACRS MEETING
June 7-9, 2000

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

MEETING HANDOUTS

<u>AGENDA</u> <u>ITEM NO.</u>	<u>DOCUMENTS</u>
1	<u>Opening Remarks by the ACRS Chairman</u> 1. Items of Interest, dated June 7-8, 2000
2	<u>Proposed Resolution of Generic Safety Issue-173A, "Spent Fuel Storage Pool for Operating Facilities"</u> 2. GSI-173A, Generic Spent Fuel Storage Pool Part A: Operating Facilities, presentation by NRR [Viewgraphs] 3. Briefing to the ACRS on the Draft Report - Regulatory Effectiveness of the SBO Rule, presentation by RES [Viewgraphs]
3	<u>Regulatory Effectiveness of the Station Blackout Rule</u> 4. Draft Report - Regulatory Effectiveness of the SBO Rule, presentation by RES [Viewgraphs]
4	<u>Proposed Final Standard Review Plan Section and Regulatory Guide Associated with the Revised Source Term Rule</u> 5. Final Regulatory Guide 1.183 (DG-1081), Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors, Final SRP 15.0.1, presentation by NRR [Viewgraphs]
5	<u>Assessment of the Quality of Probabilistic Risk Assessments (PRAs)</u> 6. Response to SRM on PRA Quality, presentation by RES and NRR [Viewgraphs]
9	<u>Performance-Based Regulatory Initiatives</u> 7. High-Level Guidelines for Performance-Based Activities, presentation by N. Prasad Kadambi, REAHFB, NRR [Viewgraphs]

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8. Industry Initiatives in the Regulatory Process, presentation by C. E. Carpenter, NRR [Viewgraphs]
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9. Safety Culture, presentation by J. N. Sorensen, ACRS/ACNW [Viewgraphs]
- 12 Visit to Davis Besse Nuclear Power Plant and Meeting With NRC Region III Personnel
10. Site Visit to the Davis-Besse Nuclear Power Plant, June 8, 2000, presentation by Amarjit Singh, ACRS [Viewgraphs]
- 13 Proposed Plan and Assignments for Reviewing License Renewal Guidance Documents
11. License Renewal Process, presentation by Mario Bonaca, ACRS [Viewgraphs]
- 14 Reconciliation of ACRS Comments and Recommendations
12. Reconciliation of ACRS Comments and Recommendations [Handout #14.1]
- 15 Future ACRS Activities/Report of the Planning and Procedures Subcommittee
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14. Future ACRS Activities - 473rd ACRS Meeting, June 7-9, 2000, [Handout 15.2]

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 6. ACRS letter to the Executive Director for Operations, dated October 16, 1998

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 15. Letter to D. A. Powers, Chairman, ACRS, from W. D. Travers, EDO, Subject: Proposed Final Rule on Use of Alternative Source Term at Operating Reactors, Draft Regulatory Guide, and Standard Review Plan, dated October 26, 1999
 16. Memorandum to J. T. Larkins, ACRS, from G. M. Holahan, NRR, Subject: Transmittal of Final Regulatory Guide 1.XXX (DG-1081), "Alternative Radiological Source Terms for Evaluating Design-Basis Accidents at Nuclear

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21. Letter dated March 25, 1999, from D. A. Powers, Chairman, ACRS, to W. d. Travers, EDO, NRC, Subject: Proposed ASME Standard for Probabilistic Risk Assessment for Nuclear Power Plant Applications (Phase 1)
22. Letter dated May 13, 1999, from W. D. Travers, EDO, NRC, to D. A. Powers, Chairman, ACRS, Subject: Proposed ASME Standard for Probabilistic Risk Assessment for Nuclear Power Plants (Phase 1)
23. Letter dated May 3, 1999, from A. Thadani, Director, RES, to Jess Moon, ASME, Subject: Staff Comments on ASME Draft “Standard for Probabilistic Risk Assessment for Nuclear Power Plant Applications,” without enclosures

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 - 40. M. Bonaca, "License Renewal Plan for Reviewing Guidance Documents," updated May 25, 2000
 - 41. M. Bonaca, "ACRS Review Assignments for License Renewal Guidance Documents," dated May 25, 2000
 - 42. M. Bonaca, "License Renewal Guidance for ACRS Review of Generic Documents"