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PDR

TABLE OF CONTENTS
MINUTES OF THE 467TH ACRS MEETING

NOVEMBER 4-6, 1999

	<u>Page</u>
I. <u>Chairman's Report (Open)</u>	1
II. <u>Proposed Revision to Section 11 of NUMARC 93-01, Assessment of Risk Resulting from Performance of Maintenance Activities (Open)</u>	2
III. <u>NRC Safety Research Program Report to the Commission (Open)</u>	3
IV. <u>Proposed Changes to the Design Control Document Associated with the AP600 Design (Open)</u>	3
V. <u>Spent Fuel Fire Risk Associated with Decommissioning (Open)</u>	5
VI. <u>Status of Resolution of Issues Associated with the Design Bases Information (Open)</u>	7
VII. <u>Executive Session (Open)</u>	9
A. Reconciliation of ACRS Comments and Recommendations	
B. Report on the Meeting of the Planning and Procedures Subcommittee Held on November 3, 1999 (Open)	
C. Future Meeting Agenda	

REPORTS

- Proposed Revision 3 to Regulatory Guide 1.160 (DG-1082), "Assessing and Managing Risk Before Maintenance Activities at Nuclear Power Plants" (Report to Richard A. Meserve, Chairman, NRC, from Dana A. Powers, Chairman, ACRS, dated November 12, 1999)
- Proposed Final Design Certification Rule and Changes to the Design Control Document Associated with AP600 Design (Report to Richard A. Meserve, Chairman, NRC, from Dana A. Powers, Chairman, ACRS, dated November 12, 1999)

RS01

- Implementing a Framework for Risk-Informed Regulation in the Office of Nuclear Material Safety and Safeguards (Report to Richard A. Meserve, Chairman, NRC, from Dana A. Powers, Chairman, ACRS, dated November 17, 1999)

LETTERS

- Draft Regulatory Guide DG-1093, "Guidance and Examples for Identifying 10 CFR 50.2 Design Bases" (Letter to William D. Travers, Executive Director for Operations, NRC, from Dana A. Powers, Chairman, ACRS, dated November 12, 1999)
- Spent Fuel Fires Associated with Decommissioning (Letter to William D. Travers, Executive Director for Operations, NRC, from Dana A. Powers, Chairman, ACRS, dated November 12, 1999)
- Proposed Resolution of Generic Safety Issue (GSI)-148, "Smoke Control and Manual Fire-Fighting Effectiveness" (Letter to William D. Travers, Executive Director for Operations, NRC, from Dana A. Powers, Chairman, ACRS, dated November 12, 1999)

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 467TH MEETING OF THE
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
NOVEMBER 4-6, 1999
ROCKVILLE, MARYLAND

The 467th meeting of the Advisory Committee on Reactor Safeguards was held in Conference Room 2B3, Two White Flint North Building, Rockville, Maryland, on November 4-6, 1999. The purpose of this meeting was to discuss and take appropriate action on the items listed in the following meeting minutes. 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 Revision to Section 11 of NUMARC 93-01, "Assessment of Risk Resulting From Performance of Maintenance Activities" (Open)

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

Mr. John J. Barton, Chairman of the Subcommittee on Plant Operations, introduced the topic to the Committee. He stated that the purpose of this session was to discuss with the representatives of the NRC staff and the Nuclear Energy Institute (NEI) the proposed Revision 3 to Regulatory Guide 1.160 (DG-1082), "Assessing and Managing Risk Before Maintenance Activities at Nuclear Power Plants," and the draft final revision to Section 11 to NUMARC 93-01, "Industry Guidelines for Monitoring the Effectiveness of Maintenance at Nuclear Power Plants."

NRC Staff Presentation

Mr. Richard P. Correia led the discussions for the staff. Mr. Correia stated that the proposed Revision 3 to Regulatory Guide 1.160 is intended to provide guidance for implementing the provisions of 10 CFR 50.65 (a)(4). The intent of paragraph (a)(4) of the rule is to require licensees to perform assessments before maintenance activities are performed on systems, structures, and components and to manage risk that may result from the proposed activities. The proposed Revision 3 to the regulatory guide and NEI document NUMARC 93-01 provide an acceptable method for assessing and managing the increase in risk that may result from nuclear power plant maintenance activities. The staff plans to endorse the NEI document NUMARC 93-01.

Nuclear Energy Institute

Mr. Anthony Pietrangelo stated that a final draft copy of the NEI document NUMARC 93-01 has been revised to incorporate the NRC staff's comments. The NEI and NRC staffs will resolve some minor issues expeditiously.

Conclusion

The Committee sent a report on this matter to Chairman Meserve dated November 12, 1999.

III. NRC Safety Research Program Report to the Commission (Open)

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

The Committee discussed a preliminary draft of a proposed ACRS/Year 2000 report to the Commission on the NRC Safety Research Program. The Committee decided to hold a subcommittee meeting on December 1, 1999, to continue its discussion of this matter.

Conclusion

The Committee plans to present a final draft report at the December 2-4, 1999, ACRS meeting.

IV. Proposed Changes to the Design Control Document Associated With the AP600 Design (Open)

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

Mr. John J. Barton, Chairman of the Advanced Reactor Designs Subcommittee, introduced the presentations. He stated that the purpose of this session was to review the changes made to the AP600 Design Control Document since the Committee's last review. He noted that the Design Control Document provides the reference basis for the AP600 Design Certification Rule.

Mr. Jerry N. Wilson, Office of Nuclear Reactor Regulation (NRR), presented background information concerning the approval of the AP600 design. He explained that the staff reviewed the changes to the Design Control Document and determined that the changes did not affect the findings in the staff's Final Safety Evaluation Report. He noted that the proposed final AP600 Design Certification Rule was basically identical to the design certification rules for the evolutionary reactor plants.

Mr. Brian McIntyre, Westinghouse, summarized the changes to the Design Control Document, which included correcting the calculated hydrogen concentration in the containment following a design basis loss-of-coolant accident (LOCA) and redesigning a plate over the top of a containment sump

screen. Mr. James Sejvar, Westinghouse, explained that the results of corrected calculations indicate an increased containment temperature late in the LOCA scenario. He presented the results of the containment hydrogen reanalysis performed using the revised temperature profile. He explained that even though the calculated hydrogen production rate from the corrosion of zinc paint increased significantly, the hydrogen concentrations remained well below the flammability limit.

Mr. Terry L. Schulz, Westinghouse, presented the redesign of the plate above a containment sump screen. He explained that the area of the plate was reduced because of mechanical interference with a steam generator and that the plate was lowered to be closer to the top of the screen. He noted that the new design increased safety.

The Committee members and representatives of the staff and Westinghouse discussed the following:

- Increase in plant risk due to higher hydrogen concentrations in the containment.
- Effect of temperature increases on the oxidation rate of zinc paint.
- State regulation of volatile organic compounds released by paint primers.
- Range of uncertainties associated with the results of the containment temperature calculations.
- Effects on the potential for screen clogging due to the redesigned plate and to the possibility of hydrogen gas bubbles increasing the buoyancy of zinc paint particles.
- Procedural requirements for starting hydrogen igniters during design basis and severe accidents.

Conclusion

The Committee issued a report on this matter to Chairman Meserve dated November 12, 1999.

V. Spent Fuel Fire Risk Associated With Decommissioning (Open)

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

The Committee reviewed a draft report of a technical study prepared by the NRC staff on the spent fuel pool (SFP) accident risk at decommissioning plants. The NRC staff, representatives of NEI, and two members of the public (Messrs. Paul Blanch and Peter Atherton) gave their views on this matter. The draft technical study addresses a deterministic and a probabilistic evaluation of SFP heatup that includes fire protection (zirconium fire) and the potential for criticality.

The staff acknowledges that a risk assessment of the SFP will increase the efficiency and effectiveness of decommissioning requirements. The staff formed a technical working group to assess the existing technical and risk information on SFP accidents at decommissioning plants.

Ms. Diane Jackson, NRR, stated that the staff has formed a Technical Working Group (TWG) with the objective of assessing the risks associated with SFPs for decommissioning plants. The TWG performed generic calculations and assessments of the heatup of the fuel and cladding to determine the potential for zirconium oxidation and ignition. The TWG also performed a probabilistic analysis for spent fuel pool accidents at decommissioning plants.

Ms. Jackson stated that if the decay heat of the spent fuel is sufficient to raise the temperature of the fuel and clad to the point that self-sustained zirconium oxidation would occur, the heat of the oxidation reaction would further increase the temperature to cause the ignition of the zirconium. A zirconium fire would raise the fuel temperature sufficiently high to release the radionuclides in the fuel.

On August 30, 1999, NEI submitted its comments on the NRC draft technical study. NEI representatives (Mr. Mike Meisner and Ms. Lynnette Hendricks) briefed the Committee and stated that the inputs and assumptions used in the study are conservative and lead to substantial bias in the resulting risk profile. NEI believes that this bias will result in misallocation of industry and NRC resources on non-risk-significant issues. The draft study's conclusions are inconsistent with previous NRC studies of SFP risk, which calculated substantially lower risk.

Mr. Atherton, a public citizen, expressed concern regarding the following:

- The degree of public participation in this matter
- The acceptability of the probabilistic risk assessment-based regulations to the public
- The lack of sufficient margins and defense in depth
- The Severity of the consequences
- The vulnerability to terrorism
- The applicability of the database used for equipment failures
- The potential for recriticality

Mr. Paul Blanch, Energy Consultant, stated that there are other significant issues that need to be addressed for decommissioning plants beyond those that are identified in SECY-99-168. For example, clear criteria need to be established for site remediation requirements, and other potential accidents, such as resin fires, should be evaluated. Furthermore, there needs to be consistent application of existing regulations as certain Part 50 requirements, including those related to security, fitness-for-duty, fire protection, and quality assurance, are being implemented differently among the decommissioning sites. To provide consistency in addressing these issues, Mr. Blanch recommended that NUREG/CR-6451 be used to provide interim guidance for decommissioning. With regard to dry cask storage, Mr. Blanch believes that the site-specific requirements under 10 CFR Part 72 should be applied to decommissioning plants as Part 50 does not properly address high-level waste storage and the provisions under Part 72, Subpart K, for a general license were only intended for operating reactors.

Dr. Kress, ACRS Member, agreed with the NRC staff's general approach for determining the decay time beyond which runaway oxidation cannot occur. However, he stated that an uncertainty analysis related to the oxidation kinetics and the heat rejection mechanisms is needed.

Conclusion

The Committee issued a letter on this matter to Dr. William D. Travers, Executive Director for Operations, on November 12, 1999.

VI. Status of Resolution of Issues Associated With the Design Bases Information
(Open)

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

Mr. John Barton, Chairman of the ACRS Subcommittee on Plant Operations, introduced the topic to the Committee. He stated that the purpose of this meeting was to discuss the proposed resolution of issues associated with draft NRC Regulatory Guide DG-1093 in which the staff proposes to endorse Appendix B of NEI 97-04, "Design Bases Program Guidelines." He noted that the Committee last reviewed this matter during the ACRS Meeting on September 30-October 2, 1999, at which time the NRC staff and NEI representatives expressed agreement on most issues. However, the staff identified the following issues as exceptions in DG-1093: (1) redundancy and diversity as specific design functions; (2) all modes of operation, including full power, low power, and shutdown, and accident conditions; (3) design basis values, such as piping design pressure, temperature, material, and so on, and (4) testing and inspections. Mr. Barton stated that, although the staff has not yet updated DG-1093 to reflect agreements reached during meetings between the staff, NEI, and other industry representatives, it appears that progress has been made such that the noted exceptions may be near closure.

NRC Staff Presentation

Mr. Stewart Magruder, NRR, led the discussions for the NRC staff. Mr. David Matthews provided a supporting discussion. Significant points made during the presentation include the following:

- NEI has satisfactorily resolved all issues except those related to design bases values. However, NEI submitted revised industry guidance on October 28, 1999, and that guidance appears to be acceptable to the staff. The proposed NEI approach focuses on meeting design bases functional requirements.
- The greatest impact of the proposed guidance will be in reduced event and incident reporting in accordance with 10 CFR 50.72 and 50.73.

- The staff recommends issuing DG-1093 for public comment. The staff plans to continue its ongoing rulemaking activity for 10 CFR 50.72 and 50.73. The staff is considering changing the definition of design bases in 10 CFR 50.2.

NEI Presentation

Messrs. Russell Bell and Anthony Pietrangelo, NEI, offered a few brief comments and compliments regarding industry experience in working with the staff on this matter. NEI representatives stated that they were satisfied with the conclusions reached by the staff and expressed appreciation for the staff's dedication in working through the more difficult issues, such as design basis values.

Dr. Wallis questioned what measures will be used to ensure safety is maintained. The staff stated that the primary metric will be reporting requirements in accordance with 10 CFR 50.72 and 50.73. The staff stated that there will be fewer reports, but they will be based on safety significance.

Drs. Seale and Powers questioned the extent to which a recent report issued by Public Citizen entitled, "Amnesty Irrational - How the Nuclear Regulatory Commission Fails To Hold Nuclear Reactors Accountable for Violations of Its Own Safety Regulations," was considered in the discussions between the staff and NEI. Dr. Seale noted that the subject report defines design bases differently than the staff and questioned whether Public Citizen's contentions that plant design bases are inadequately documented could be considered a safety allegation. The NEI staff stated that it had not seen the Public Citizen report. The ACRS staff provided a copy of the report at the conclusion of the meeting.

Conclusion

The Committee issued a letter to the Executive Director for Operations dated November 12, 1999, on this matter.

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) to ACRS comments and recommendations included in recent ACRS reports:

- The Committee discussed the response from the NRC Executive Director for Operations (EDO) dated October 8, 1999, to the ACRS comments and recommendations included in the ACRS report dated September 13, 1999, concerning an interim letter related to the license renewal of the Oconee Nuclear Station.

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

- The Committee discussed the response from the EDO dated October 25, 1999, to ACRS comments and recommendations included in the ACRS letter dated September 17, 1999, concerning the proposed final rule on alternative source term at operating reactors, draft regulatory guide, and standard review plan section.

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

- The Committee discussed the response from the EDO dated October 29, 1999, to ACRS comments and recommendations included in the ACRS letter dated September 16, 1999, concerning the proposed Revision 1 to Regulatory Guide 1.78 (DG-1087), evaluating the habitability of a nuclear power plant control room during a postulated hazardous chemical release.

The Committee decided that it was partially satisfied with the EDO's response. With regard to the issue of the NRC staff documenting evidence of the validity and capability of computer codes endorsed in its

regulatory guides, the Committee will continue discussion on this matter.

- The Committee discussed the response from the EDO dated October 21, 1999, to ACRS comments and recommendations included in the ACRS letter dated September 17, 1999, regarding proposed resolution of GSI-145, "Actions to Reduce Common Cause Failures."

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

- The Committee discussed the response from the EDO dated October 12, 1999, to ACRS comments and recommendations included in the ACRS letter dated September 13, 1999, regarding Proposed Final Revision 3 to Regulatory Guide 1.105, "Setpoints for Safety-Related Instrumentation."

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

- The Committee discussed the response from the EDO dated October 22, 1999, to ACRS comments and recommendations included in NUREG-1635, Vol. 2, "Review and Evaluation of the Nuclear Regulatory Commission's Safety Research Program."

The Committee decided to continue its discussion of the adequacy of the EDO's response during its discussion of the FY2000 report to the Commission on the NRC Safety Research Program.

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 November 3, 1999. The following items were discussed:

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

The Subcommittee recommended that the assignments and priorities for the November 1999 ACRS meeting were discussed. The Chairman reminded the members of the need to provide draft letters in accordance with the specified schedules. The Committee should consider the

proposed ACRS reports in the order listed.

- Anticipated Workload for ACRS Members

The Subcommittee recommended that the members provide comments about the anticipated workload. Changes will be made, as appropriate. Also, in view of the large number of items anticipated for the December meeting, the Safety Research Program Subcommittee will hold a meeting on December 1, 1999, to develop a proposed final draft of the ACRS report to the Commission on the NRC Safety Research Program.

- Revised Subcommittee Structure

The Subcommittee recommended that the Committee approve the revised Subcommittee structure. Dr. Kress, Chairman of the Severe Accident Management Subcommittee, will provide a list of issues anticipated to be reviewed by the Severe Accident Management Subcommittee during the next year. After reviewing this list, the Planning and Procedures Subcommittee will recommend whether or not to abolish this Subcommittee.

- ACRS Retreat

The Subcommittee recommended that the Committee approve the location in Florida for the retreat. The members will provide comments on the proposed topics for the retreat. Subsequently, a revised agenda will be prepared and discussed by the Planning and Procedures Subcommittee during the December meeting. After the Subcommittee discussion, it will be submitted to the full Committee for approval during the December ACRS meeting.

- Election of Officers for CY 2000

The Subcommittee recommended that those members who want to withdraw their names from consideration notify the ACRS Executive Director in writing by November 24, 1999.

- Annual Ethics Briefing

467th ACRS Meeting
November 4-6, 1999

It was decided that the members may substitute the PC-based training for the annual session that will be scheduled during a future ACRS meeting. Members who have questions on a particular issue can contact either John Szabo or Carol Harris.

C. Future Meeting Agenda

Appendix IV summarizes the proposed items endorsed by the Committee for the 468th ACRS Meeting, December 2-4, 1999.

The 467th ACRS meeting was adjourned at 11:45 a.m. on November 6, 1999.

Dated: October 7, 1999.

John T. Larkins,

Executive Director, ACRS/ACNW.

[FR Doc. 99-26777 Filed 10-13-99; 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 November 4-6, 1999, in Conference Room T-2B3, 11545 Rockville Pike, Rockville, Maryland. The date of this meeting was previously published in the Federal Register on Wednesday, November 18, 1998 (63 FR 64105).

Thursday, November 4, 1999

8:30 A.M.-9:15 A.M.: Preparation for Meeting with the Commission (Open)—The Committee will discuss topics proposed for meeting with the NRC Commissioners: Risk-Informing 10 CFR part 50; Risk-Informing 10 CFR 50.59; Relationship and Balance Between PRA Results and Defense-in-Depth; Strategy for Reviewing License Renewal Applications; NRC Safety Research Program; Multiple Structures, Systems, and Components (SSCs) out of Service During Maintenance; High Burnup Fuel Phenomena Identification and Ranking; and Low-Power and Shutdown Operations Risk.

9:30 A.M.-11:30 A.M.: Meeting with the Commission (Open)—The Committee will meet with the NRC Commissioners at the Commissioners' Conference Room, One White Flint North, to discuss the items noted above.

1:00 P.M.-1:15 P.M.: Opening Remarks by the ACRS Chairman (Open)—The ACRS Chairman will make opening remarks regarding the conduct of the meeting.

1:15 P.M.-2:45 P.M.: Proposed Revision to Section 11 of NUMARC 93-01, Assessment of Risk Resulting from Performance of Maintenance Activities (Open)—The Committee will hear presentations by and hold discussions with representatives of the Nuclear Energy Institute (NEI) and NRC staff regarding proposed revision to Section 11 of NUMARC 93-01.

3:00 P.M.-5:00 P.M.: NRC Safety Research Program Report to the Commission (Open)—The Committee will discuss the proposed ACRS report to the Commission on the NRC Safety Research Program and related matters.

5:00 P.M.-6:00 P.M.: Break and Preparation of Draft ACRS Reports (Open)—Cognizant ACRS members will prepare draft reports for consideration by the full Committee.

6:00 P.M.-7:00 P.M.: Discussion of Proposed ACRS Reports (Open)—The Committee will discuss proposed ACRS reports, including those on: Proposed Resolution of Generic Safety Issue-148, "Smoke Control and Manual Fire Fighting Effectiveness"; and Proposed Regulatory Guide on Design Bases Information; as well as the Joint ACRS/ACNW Report on the Proposed Framework for Risk-Informed Regulation in the Office of Nuclear Material Safety and Safeguards.

Friday, November 5, 1999

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 Changes to the Design Control Document Associated with the AP600 Design (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff and Westinghouse Electric Company regarding proposed changes to the Design Control Document related to the AP600 design and the associated NRC staff's evaluation.

10:15 A.M.-11:45 A.M.: Spent Fuel Fire Risk Associated with Decommissioning (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the status of staff activities related to assessing the spent fuel fire risk associated with decommissioning, spent fuel pool risk assessment study, and related matters.

12:45 P.M.-1:45 P.M.: Status of Resolution of Issues Associated with the Design Bases Information (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff and Nuclear Energy Institute (NEI) regarding the status of resolution of the differences between the NRC staff and NEI related to NEI 97-04 document, "Design Bases Program Guidelines."

1:45 P.M.-2:15 P.M.: Future ACRS Activities (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.

2:30 P.M.-3:00 P.M.: Report of the Planning and Procedures Subcommittee (Open)—The Committee will hear a report of the Planning and Procedures

Subcommittee on matters related to the conduct of ACRS business.

3:00 P.M.-3:15 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.

3:15 P.M.-4:15 P.M.: Break and Preparation of Draft ACRS Reports (Open)—Cognizant ACRS members will prepare draft reports for consideration by the full Committee.

4:15 P.M.-7:00 P.M.: Discussion of Proposed ACRS Reports (Open)—The Committee will discuss proposed ACRS reports.

Saturday, November 6, 1999

8:30 A.M.-2:00 P.M.: Discussion of Proposed ACRS Reports (Open)—The Committee will continue its discussion of proposed ACRS reports.

2:00 P.M.-2:30 P.M.: Miscellaneous (Open)—The Committee will discuss matters related to the conduct of Committee activities and matters and specific issues that were not completed during previous meetings, as time and availability of information permit.

Procedures for the conduct of and participation in ACRS meetings were published in the Federal Register on September 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 by 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 3:45 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.

The ACRS meeting dates for Calendar Year 2000 are provided below:

ACRS Meeting No. and Meeting Date

— January 2000—No meeting
 469 February 3-5, 2000
 470 March 2-4, 2000
 471 April 6-8, 2000
 472 May 11-13, 2000
 473 June 7-9, 2000
 474 July 12-14, 2000
 — August 2000—No meeting
 475 August 30—September 1, 2000
 476 October 5-7, 2000
 477 November 2-4, 2000
 478 December 7-9, 2000

Dated: October 7, 1999.

Andrew L. Bates,

Advisory Committee Management Officer.

[FR Doc. 99-26778 Filed 10-18-99; 8:45 am]

BILLING CODE 7590-01-P

NUCLEAR REGULATORY COMMISSION

Sunshine Act Meeting

AGENCY HOLDING THE MEETING: Nuclear Regulatory Commission.

DATE: Weeks of October 11, 18, 25, and November 1, 1999.

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

STATUS: Public and Closed.

MATTERS TO BE CONSIDERED:

Week of October 11

Thursday, October 14

11:30 a.m. Affirmation Session (Public Meeting) (if needed).

Week of October 18—Tentative

Wednesday, October 20

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).

Thursday, October 21

9:30 a.m. Briefing on Part 35—Rule on Medical Use of Byproduct Material (Public Meeting) (Contact: Cathy Haney, 301-415-6825) (SECY-99-201, *Draft Final Rule—10 CFR Part 35, Medical Use of Byproduct Material*, is available in the NRC Public Document Room or on NRC web site at: "www.prc.gov/NRC/COMMISSION/SECYS/index.html" Download the zipped version to obtain all attachments).

Week of October 25—Tentative

There are no meetings scheduled for the Week of October 25.

Week of November 1—Tentative

Thursday, November 4

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

9:30 a.m. Meeting with Advisory Committee on Reactor Safeguards (ACRS) (Public Meeting) (Contact: John Larkins, 301-415-7360).

* The schedule for commission meetings is subject to change on short notice. To verify the status of meetings call (recording)—(301) 415-1292.

CONTACT PERSON FOR MORE INFORMATION: Bill Hill (301) 415-1661.

* * * * *
 The NRC Commission Meeting Schedule can be found on the Internet at: <http://www.nrc.gov/SECY/smj/schedule.htm>.
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This notice is distributed by mail to several hundred subscribers; if you no longer wish to receive it, or would like to be added to it, please contact the Office of the Secretary, Attn: Operations Branch, Washington, DC 20555 (301-415-1661). In addition, distribution of this meeting notice over the Internet system is available. If you are interested in receiving this Commission meeting

schedule electronically, please send an electronic message to wmh@nrc.gov or dkw@nrc.gov.

Dated: October 8, 1999.

William M. Hill, Jr.,

SECY Tracking Officer, Office of the Secretary.

[FR Doc. 99-26929 Filed 10-12-99; 11:26 am]

BILLING CODE 7590-01-M

OFFICE OF MANAGEMENT AND BUDGET

Office of Information and Regulatory Affairs; Estimating Paperwork Burden

AGENCY: Office of Information and Regulatory Affairs, Office of Management and Budget.

ACTION: Notice of reevaluation of OMB guidance on estimating paperwork burden.

SUMMARY: The Paperwork Reduction Act (PRA) seeks to ensure that Federal agencies balance their need to collect information with the paperwork burden imposed on the public in complying with the collection. Agencies must estimate the burdens that their individual collections impose on the public. The public learns of these burden estimates by PRA notices that agencies publish in the Federal Register and with the forms used for collection.

The Office of Management and Budget (OMB) has begun a preliminary reevaluation of its guidance to agencies on estimating and reporting paperwork burden. As part of this effort, OMB seeks comment on how to increase the uniformity, accuracy, and comprehensiveness of agency burden measurement. Based on comments that OMB receives, as well as its experience in evaluating agency burden estimates, OMB will prepare (and seek additional comment on) a more detailed proposal to revise its guidance to agencies on estimating and reporting paperwork burden. OMB will consider comments on its proposal before finalizing its burden guidance.

DATES: Written comments are encouraged and must be received on or before January 12, 2000.

ADDRESSES: Comments should be submitted to the Office of Information and Regulatory Affairs, Office of Management and Budget, New Executive Office Building, Room 10202, 725 17th Street, NW, Washington, DC, 20503. Comments received on this notice will be available for public inspection and copying at the Office of Information and Regulatory Affairs



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

October 7, 1999

**SCHEDULE AND OUTLINE FOR DISCUSSION,
 467TH ACRS MEETING
 NOVEMBER 4-6, 1999**

**THURSDAY, NOVEMBER 4, 1999, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH,
 ROCKVILLE, MARYLAND**

- 1) 8:30 - 9:15 A.M. Preparation for Meeting with the Commission (Open) (DAP, et al./ JTL, et al.)
 Discussion of the following topics for meeting with the NRC Commissioners:
- 1.1) Risk-Informing 10 CFR Part 50 (GA/MTM)
 - 1.2) Risk-Informing 10 CFR Part 50.59 (Changes, Tests and Experiments) (GA/MTM)
 - 1.3) Relationship and Balance Between PRA Results and Defense-in-Depth (TSK/MTM/JNS)
 - 1.4) Strategy for Reviewing License Renewal Applications (MVB/NFD)
 - 1.5) NRC Safety Research Program (GBW/MME)
 - 1.6) Multiple SSCs Out of Service During Maintenance (JJB/AS)
 - 1.7) High Burnup Fuel Phenomena Identification and Ranking (DAP/MME)
 - 1.8) Low-Power and Shutdown Operations Risk (RLS/MME)
- 9:15 - 9:30 A.M. *****BREAK*****
- 2) 9:30 - 11:30 A.M. Meeting with the Commission (Open)
 Meeting with the NRC Commissioners at the Commissioners' Conference Room, One White Flint North, to discuss matters listed under Item 1.
- 11:30 - 1:00 P.M. *****LUNCH*****
- 3) 1:00 - 1:15 P.M. Opening Remarks by the ACRS Chairman (Open)
- 3.1) Opening statement (DAP/JTL/SD)
 - 3.2) Items of current interest (DAP/NFD/SD)
 - 3.3) Priorities for preparation of ACRS reports (DAP/JTL/SD)
- 4) 1:15 - 2:45 P.M. Proposed Revision to Section 11 of NUMARC 93-01, Assessment of Risk Resulting from Performance of Maintenance Activities (Open) (JJB/JDS/AS)
- 4.1) Remarks by the Subcommittee Chairman
 - 4.2) Briefing by and discussions with representatives of the Nuclear Energy Institute and NRC staff regarding proposed revision to Section 11 of NUMARC 93-01.

- 2:45 - 3:00 P.M. ***BREAK***
- 5) 3:00 - ^{4:10}~~5:00~~ P.M. NRC Safety Research Program Report to the Commission (Open)
(GBW/MME)
5.1) Remarks by the Subcommittee Chairman
5.2) Discussion of proposed ACRS report to the Commission on the NRC Safety Research Program.
- Representatives of the NRC staff will provide their views, as appropriate.
- 6) ^{4:10-5:30}~~5:00-6:00~~ P.M. Break to review RES report
Break and Preparation of Draft ACRS Reports
Cognizant ACRS members will prepare draft reports for consideration by the full Committee.
- 7) ^{5:30-6:30}~~6:00-7:00~~ P.M. Discussion of Proposed ACRS Reports (Open)
Discussion of proposed ACRS reports on:
7.1) Proposed Revision to Section 11 of NUMARC 93-01 (JJB/JDS/AS)
5:30-5:45 7.2) Proposed Resolution of GSI-148, Smoke Control and Manual Fire Fighting Effectiveness (JJB/AS)
5:45-5:50 7.3) Joint ACRS/ACNW Report on the Proposed Framework for Risk-Informed Regulation in NMSS (TSK/GA/MTM/JS)
5:50-6:25 RES Report
- FRIDAY, NOVEMBER 5, 1999, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND**
- 8) 8:30 - ^{8:31}~~8:35~~ A.M. Opening Remarks by the ACRS Chairman (Open) (DAP/SD)
- 9) ^{8:31 9:56}~~8:35-10:00~~ A.M. Proposed Changes to the Design Control Document Associated with the AP600 Design (Open) (JJB/NFD)
9.1) Remarks by the Subcommittee Chairman
9.2) Briefing by and discussions with representatives of the NRC staff and Westinghouse Electric Company regarding proposed changes to the Design Control Document related to the AP600 design and the associated NRC staff evaluation.
- ^{9:56}~~10:00~~ - 10:15 A.M. ***BREAK***
- 10) ^{12:30 PM}~~10:15-11:45~~ A.M. Spent Fuel Fire Risk Associated with Decommissioning (Open)
(TSK/DAP/MME)
10.1) Remarks by the Subcommittee Chairman
10.2) Briefing by and discussions with representatives of the NRC staff regarding the status of staff activities related to assessing the spent fuel fire risk associated with decommissioning, spent fuel pool risk assessment study, and related matters.

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

- 12:30 - 1:15
 11:45 - 12:45 P.M.
 1:15 - 1:50
 11) 12:45 - 1:45 P.M.

LUNCH

Status of Resolution of Issues Associated with the Design Bases Information (Open) (JJB/MTM)

- 11.1) Remarks by the Subcommittee Chairman
 11.2) Briefing by and discussions with representatives of the NRC staff and Nuclear Energy Institute (NEI) regarding the status of resolution of the differences between the NRC staff and NEI related to NEI 97-04 document, "Design Bases Program Guidelines."

- 1:50
 12) 1:45 - 2:15 P.M.

Future ACRS Activities (Open) (DAP/JTL/SD)

Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee.

- 2:15 - 2:30 P.M.
 3:15 - 3:30
 13) 2:30 - 3:00 P.M.

BREAK

Report of the Planning and Procedures Subcommittee (Open) (DAP/JTL)

Report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business.

- 2:30 - 3:25
 14) 3:00 - 3:15 P.M.

Reconciliation of the ACRS Comments and Recommendations (Open) (DAP, et al./SD, et al.)

Discussion of the response from the NRC Executive Director for Operations to comments and recommendations included in recent ACRS reports and letters.

- 3:50 - 5:00
 15) 3:45 - 4:00 P.M.

Break and Preparation of Draft ACRS Reports

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

- 5:00 - 7:10
 16) 4:45 - 7:00 P.M.

Discussion of Proposed ACRS Reports (Open)

Discussion of proposed ACRS reports on:

- 3:25-3:40
 5:00-5:40
 6:10-6:17
 6:30-7:10
 5:40-6:10
- 16.1) Proposed Changes to the Design Control Document Associated with the AP600 Design (JJB/TSK/NFD)
 16.2) Proposed Revision to Section 11 of NUMARC 93-01 (JDS/JJB/AS)
 16.3) NRC Safety Research Program (GBW/PAB)
 16.4) Proposed Regulatory Guide on Design Bases Information (JJB/MTM)
 16.5) Proposed Resolution of GSI-148, Smoke Control and Manual Fire Fighting Effectiveness (JJB/AS)
 16.6) Joint ACRS/ACNW Report on the Proposed Framework for Risk-Informed Regulation in NMSS (TSK/GA/MTM/JS)

3:40-3:48 Decommissioning
 3:48-3:50 Design Bases
 6:18-6:30 DG 1082

SATURDAY, NOVEMBER 6, 1999, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 17) 8:30 - ^{11:45 am}~~2:00 P.M.~~ Discussion of Proposed ACRS Reports (Open)
 (12:00-1:00 P.M. - LUNCH) Discussion of proposed ACRS reports on:
 ^{9:17-9:35} 17.1) NRC Safety Research Program (GBW/MME)
 17.2) Proposed Changes to the Design Control Document
 Associated with the AP600 Design (JJB/TSK/NFD)
 ^{8:30-8:47} 17.3) Proposed Revision to Section 11 of NUMARC 93-01
 (JDS/JJB/AS)
 17.4) Proposed Regulatory Guide on Design Bases Information
 (JJB/MTM)
 ^{8:47-9:10} 17.5) Proposed Resolution of GSI-148, Smoke Control and Manual
 Fire Fighting Effectiveness (JJB/AS)
 ^{9:10-9:13} 17.6) Joint ACRS/ACNW Report on the Proposed Framework for
 Risk-Informed Regulation in NMSS (TSK/GA/MTM/JS)
 ^{10:00-11:30} Spent Fuel Letter (TSK/MME)
~~18) 2:00 - 2:30 P.M. Miscellaneous (Open) (DAP/JTL/RPS)
 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

467TH ACRS MEETING
NOVEMBER 4-6, 1999

NRC STAFF (November 4, 1999)

J. Sharkey, OCM/EM
A. Levin, OCM
J. Yerokum, OEDO
W. Ott, OEDO
P. Wilson, NRR
S. Wong, NRR
R. Correia, NRR
N. Giles, NRR
W. Scott, NRR
B. Boger NRR
F. Talbot, NRR
M. Reinhart, NRR
J. Mitchell, RES

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC

D. Raleigh, SERCH-Bechtel
P. Negus, GE
B. Bradley, NEI
M. Knark, McGraw-Hill
T. Pietrangelo, NEI
D. Troe, ERIN

NRC STAFF (November 5, 1999)

J. Beall, OCM/EM
P. Castleman, OCM/NJD
W. Ott, OEDO
J. Wilson, NRR
R. Lobel, NRR
G. Hsi, NRR
C. Grimes, NRR
J. Staudenmeier, NRR
B. Huffman, NRR
T. Uises, NRR
G. Hubbard, NRR
L. Kopp, NRR
E. Throm, NRR
G. Parry, NRR
M. Cheek, NRR

G. Thomas, NRR
J. Hannon, NRR
G. Mencinsky, NRR
G. Kelly, NRR
R. Barrett, NRR
T. Eaton, NRR
T. Essig, NRR
F. Kantor, NRR
J. O'Brien, NRR
A. Markley, NRR
T. Abbard, NRR
G. Bagchi, NRR
S. Richards, NRR
D. Jackson, NRR
T. Scarbrough, NRR
D. Fischer, NRR
C. Carpenter, NRR
S. Magruder, NRR
D. Wessman, NRR
J. Hannon, NRR
C. Poslusny, NMSS
J. Shaperow, RES
S. Lewis, OGC

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC

D. Lochbaum, Union of Concerned Scientists
J. Burt, INEEL
A. Nelson, NEI
M. Meisner, MYAPC
L. Hendricks, NEI
P. Atherton, Nuclear Safety Cons.
T. Murley, Self
S. Khericha, INEEL
P. Blanch, Self
F. Emerson, NEI
A. Wycke, SERCH-Bechtel
T. Pietrangelo, NEI
R. Bell, NEI
K. Hutko, PSEG
D. Palmrose, NUS



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

November 22, 1999

SCHEDULE AND OUTLINE FOR DISCUSSION
 468TH ACRS MEETING
 DECEMBER 2-4, 1999

**THURSDAY, DECEMBER 2, 1999, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH,
 ROCKVILLE, MARYLAND**

- 1) 8:30 - 8:45 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) 8:45 - 10:15 A.M. Proposed Final Amendment to 10 CFR 50.55a Regarding Elimination of the 120-Month ISI and IST Programs Update Requirement (Open) (WJS/MME)
 2.1) Remarks by the Subcommittee Chairman
 2.2) Briefing by and discussions with representatives of the NRC staff, American Society of Mechanical Engineers (ASME), and Nuclear Energy Institute (NEI) regarding the proposed final amendment to 10 CFR 50.55a associated with the elimination of the requirement for updating the inservice inspection (ISI) and inservice testing (IST) programs every 120 months, as well as a proposed Commission paper related to this matter.
- 10:15 - 10:30 A.M. *****BREAK*****
- 3) 10:30 - 12:00 Noon Low-Power and Shutdown Operations Risk Insights Report (Open) (GA/MTM)
 3.1) Remarks by the Subcommittee Chairman
 3.2) Briefing by and discussions with representatives of the NRC staff and its contractors regarding the low-power and shutdown operations risk insights report, as well as a proposed Commission Paper related to this matter.
- 12:00 - 1:00 P.M. *****LUNCH*****
- 4) 1:00 - 2:30 P.M. License Renewal Application for Calvert Cliffs Nuclear Power Plant and the Associated Safety Evaluation Report (Open) (MVB/NFD)
 4.1) Remarks by the Subcommittee Chairman
 4.2) Briefing by and discussions with representatives of the NRC staff regarding Baltimore Gas and Electric Company's application for renewal of Calvert Cliffs Units 1 and 2 licenses and the associated NRC staff's Safety Evaluation Report.
- 2:30 - 2:45 P.M. *****BREAK*****

- 5) 2:45 - 3:15 P.M. Future ACRS Activities (Open) (DAP/JTL/SD)
Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee.
- 6) 3:15 - 3:30 P.M. Reconciliation of ACRS Comments and Recommendations (Open) (DAP, et al./SD, et al.)
Discussion of the response from the NRC Executive Director for Operations to comments and recommendations included in recent ACRS reports and letters.
- 7) 3:30 - 4:00 P.M. Report of the Planning and Procedures Subcommittee (Open) (DAP/JTL)
Report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business.
- 8) 4:00 - 5:00 P.M. Break and Preparation of Draft ACRS Reports
Cognizant ACRS members will prepare draft reports for consideration by the full Committee.
- 9) 5:00 - 7:00 P.M. Discussion of Proposed ACRS Reports (Open)
Discussion of proposed ACRS reports on:
- 9.1) Proposed Final Amendment to 10 CFR 50.55a Regarding Elimination of the 120-Month Update Requirement for ISI and IST Programs (WJS/MME)
 - 9.2) License Renewal Application for Calvert Cliffs Nuclear Power Plant (MVB/NFD)
 - 9.3) Low-Power and Shutdown Operations Risk Insights Report (GA/MTM)

FRIDAY, DECEMBER 3, 1999, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

- 10) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (DAP/SD)
- 11) 8:35 - 10:00 A.M. Proposed Resolution of Generic Safety Issue (GSI)-190 and GSI-166 (Open) (RLS/AS)
- 11.1) Remarks by the Subcommittee Chairman
 - 11.2) Briefing by and discussions with representatives of the NRC staff and its contractors regarding the proposed resolution of GSI-190, "Fatigue Evaluation of Metal Components for 60-Year Plant Life," and GSI-166, "Adequacy of Fatigue Life of Metal Components."

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

- 10:00 - 10:15 A.M. ***BREAK*****
- 12) 10:15 - 11:45 A.M. A Technique for Human Event Analysis (ATHEANA) (Open)
(GA/JDP)
12.1) Remarks by the Subcommittee Chairman
12.2) Briefing by and discussions with representatives of the NRC staff regarding the ATHEANA process, use of ATHEANA process to evaluate selected operational events, and related matters.
- 13) 11:45 - 12:00 Noon Subcommittee Report (Open) (GBW/PAB)
Report by the Chairman of the Thermal-Hydraulic Phenomena Subcommittee regarding the industry initiatives to address the effects of water hammer in low-pressure fluid systems, and the NRC staff's effort to develop code review guideline documentation.
- 12:00 - 1:30 P.M. ***LUNCH*****
- 14) 1:30 - 2:00 P.M. NRC Safety Research Program Report to the Commission (Open)
(GBW/MME)
14.1) Remarks by the Subcommittee Chairman
14.2) Discussion of the proposed final report to the Commission on the NRC Safety Research Program.
- 15) 2:00 - 2:30 P.M. Election of Officers for CY 2000 (Open) (JTL/SD/CAH)
Election of Chairman and Vice Chairman to the ACRS and Member-at-Large to the Planning and Procedures Subcommittee for CY 2000.
- 16) 2:30 - 3:30 P.M. Break and Preparation of Draft ACRS Reports
Cognizant ACRS members will prepare draft reports for consideration by the full Committee.
- 17) 3:30 - 7:00 P.M. Discussion of Proposed ACRS Reports (Open)
Discussion of proposed ACRS reports on:
17.1) Proposed Resolution of GSI-190 and GSI-166 (RLS/AS)
17.2) ATHEANA (GA/JDP)
17.3) Proposed Final Amendment to 10 CFR 50.55a Regarding Elimination of the 120-Month Update Requirement for ISI and IST Programs (WJS/MME)
17.4) License Renewal Application for Calvert Cliffs Nuclear Power Plant (MVB/NFD)
17.5) Low-Power and Shutdown Operations Risk Insights Report (GA/MTM)

**SATURDAY, DECEMBER 4, 1999, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH,
ROCKVILLE, MARYLAND**

- 18) 8:30 - 2:00 P.M. Discussion of Proposed ACRS Reports (Open)
(12:00-1:00 P.M. - LUNCH) Continue discussion of proposed ACRS reports listed under Item 17.
- 19) 2:00 - 2:30 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
476th ACRS MEETING
NOVEMBER 4-6, 1999

[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

AGENDA
ITEM NO.

DOCUMENTS

- | | |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <u>Preparation for Meeting with the Commission</u> |
| 3 | <u>Opening Remarks by the ACRS Chairman</u>
1. Items of Interest dated November 4-6, 1999 |
| 4 | <u>Proposed Revision to Section 11 of NUMARC 93-01, Assessment of Risk Resulting from Performance of Maintenance Activities</u>
2. Maintenance Rule Guidance presentation by NRR [Viewgraphs] |
| 9 | <u>Proposed Changes to the Design Control Document Associated with the AP600 Design</u>
3. Memorandum dated September 28, 1999 from D. B. Mathews, NRR, to J. T. Larkins, ACRS, Subject: Final Rule - AP600 Design Certification [Handout 9.1]
4. AP600 Post-LOCA Hydrogen [Viewgraphs]
5. Original and Revised Containment Temperature (graph) [Viewgraph]
6. AP600 Containment Recirculation Screen Corrections presentation by Westinghouse [Viewgraphs] |
| 10 | <u>Spent Fuel Fire Risk Associated with Decommissioning</u>
7. Spent Fuel Pool Accident Risk for Decommissioning Plants presentation by D. Jackson, NRR [Viewgraphs]
8. Decay Time vs. Maximum Peak Clad Temperature [Back-up Viewgraph]
9. Comments from Nuclear Energy Institute [Viewgraphs]
10. Improving Decommissioning Regulations presentation by Paul Blanch, Energy Consultant [Viewgraphs] |
| 11 | <u>Status of Resolution of Issues Associated with Design Bases Information</u>
11. Clarifying the Definition of Design Bases presentation by S. Magruder, NRR [Viewgraphs] |

12 Future ACRS Activities

12. Future ACRS Activities - 468th ACRS Meeting, December 2-4, 1998
[Handout #12-1]

13 Reconciliation of ACRS Comments and Recommendations

13. Reconciliation of ACRS Comments and Recommendations [Handout #14.1]

14 Report of the Planning and Procedures Subcommittee

14. Final Draft Minutes of Planning and Procedures Subcommittee Meeting -
November 3, 1999 [Handout #13.1]
- 14a. Proposed Revision to the ACRS Subcommittee Structure dated November
3, 1999

MEETING NOTEBOOK CONTENTS

TAB

DOCUMENTS

- 4 Proposed Revision 3 to Regulatory Guide 1.160 (DG-1082), "Assessing and Maintaining Risk Before Maintenance Activities at Nuclear Power Plants"
1. Table of Contents
 2. Proposed Schedule
 3. Status Report dated November 4, 1999
 4. Memorandum to John T. Larkins, Executive Director, Advisory Committee on Reactor Safeguards from Theodore R. Quay, Chief, Quality Assurance, Vendor Inspection, Maintenance and Allegations Branch, Office of Nuclear Reactor Regulation, Subject: Request for Review of Draft Regulatory Guidance (DG-1082), "Assessing and Managing Risk Before Maintenance Activities at Nuclear Power Plants," dated October 18, 1999
- 9 Proposed Changes to the Design Control Document Associated with the AP600 Design
5. Table of Contents
 6. Proposed Schedule
 7. Status Report dated November 5, 1999
 8. Memorandum dated October 7, 1999, from David B. Mathews, Office of Nuclear Reactor Regulation, NRC, to John T. Larkins, Executive Director, ACRS, Subject: AP600 Design Certification Review
- 10 Spent Fuel Fire Risk Associated with Decommissioning
9. Table of Contents
 10. Proposed Schedule
 11. Status Report dated November 5, 1999
 12. [DRAFT] Technical Study of Spent Fuel Pool Accidents for Decommissioning Plants, June 1999
 13. Letter dated September 3, 1999, from D. A. Lochbaum (Union of Concerned Scientists), to NRC Commissioners
- 11 Status of Resolution of Issues Associated with Design Bases Information
14. Table of Contents
 15. Proposed Schedule
 16. Status Report dated November 5, 1999
 17. Memorandum dated March 24, 1998, from John C. Hoyle, Secretary, NRC, to L. Joseph Callan, EDO, NRC, Subject: Staff Requirements - SECY-97-

205, Integration and Evaluation of Results from Recent Lessons-Learned Reviews

18. **Report dated May 7, 1987, to Shirley Ann Jackson, Chairman, NRC, from R. L. Seale, Chairman, ACRS, Subject: Design Basis Verification**