

CERTIFIED

Date Issued: 10/21/99
Date Signed: 11/2/99

ACRS - 3170
PDR

TABLE OF CONTENTS
MINUTES OF THE 465TH ACRS MEETING
September 1-3, 1999

	<u>Page</u>
I. <u>Chairman's Report (Open)</u>	1
II. <u>Safety Evaluation Report Related to the Oconee Nuclear Power Plant License Renewal Application (Open)</u>	1
III. <u>Proposed Resolution of Generic Safety Issue-145, "Actions to Reduce Common Cause Failures" (Open)</u>	3
IV. <u>Proposed Final Source Term Rule and Associated Draft Regulatory Guide and Standard Review Plan Section (Open)</u>	4
V. <u>Proposed Revision to Regulatory Guide 1.78 (DG-1087), "Evaluating the Habitability of a Nuclear Power Plant Control Room During a Postulated Hazardous Chemical Release" (Open)</u>	5
VI. <u>ACRS Plans for Reviewing the RETRAN-3D Thermal-Hydraulic Transient Analysis Code (Open)</u>	7
VII. <u>Application of the Electric Power Research Institute (EPRI) Risk-Informed Methods to Inservice Inspection of Piping (Open)</u>	8
VIII. <u>Proposed Guidance for Using Risk Information in the Review of Licensing Actions (Open)</u>	10
IX. <u>Proposed Final Revision 3 to Regulatory Guide 1.105, "Instrument Setpoints for Safety Systems" (Open)</u>	12
X. <u>Office of Nuclear Regulatory Research (RES) Self-Assessment Program (Open)</u>	14
XI. <u>Plan for Preparation of the Annual ACRS Report to the Commission</u> . . .	16
XII. <u>Executive Session (Open)</u>	17
A. Reconciliation of ACRS Comments and Recommendations	
B. Report on the Meeting of the Planning and Procedures Subcommittee Held on August 31, 1999 (Open)	
C. Future Meeting Agenda	

RSOL

REPORTS

- Proposed Final Rule on Use of Alternative Source Term at Operating Reactors, Draft Regulatory Guide, and Standard Review Plan Section (Report to Greta Joy Dicus, Chairman, NRC, from Dana A. Powers, Chairman, ACRS, dated September 17, 1999.)

LETTERS

- Interim Letter Related to the License Renewal of Oconee Nuclear Station (Letter to William D. Travers, Executive Director for Operations, NRC, from Dana A. Powers, Chairman, ACRS, dated September 13, 1999)
- Proposed Final Revision 3 to Regulatory Guide 1.105, "Setpoints for Safety-Related Instrumentation" (Letter to William D. Travers, Executive Director for Operations, NRC, from Dana A. Powers, Chairman, ACRS, dated September 13, 1999)
- Safety Evaluation Report Related to Electric Power Research Institute Risk-Informed Methods to Inservice Inspection of Piping (EPRI TR-112657, Revision B, July 1999) (Letter to William D. Travers, Executive Director for Operations, NRC, from Dana A. Powers, Chairman, ACRS, dated September 15, 1999)
- 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 (Letter to William D. Travers, Executive Director for Operations, NRC, from Dana A. Powers, Chairman, ACRS, dated September 16, 1999)
- Proposed Resolution of Generic Safety Issue-145, "Actions to Reduce Common Cause Failures" (Letter to William D. Travers, Executive Director for Operations, NRC, from Dana A. Powers, Chairman, ACRS, dated September 17, 1999)
- Modifications Proposed by the Westinghouse Owners Group to the Core Damage Assessment Guidelines and Post Accident Sampling System (PASS) Requirements (Letter to William D. Travers, Executive Director for Operations, NRC, from Dana A. Powers, Chairman, ACRS, dated September 17, 1999)

MEMORANDA

- Proposed Final Revision 4 to Regulatory Guide 1.101 (DG-1075), "Emergency Planning and Preparedness for Nuclear Power Reactors" (Memorandum to William D. Travers, Executive Director for Operations, NRC, from John T. Larkins, Executive Director, ACRS, dated September 10, 1999)
- Proposed Final NRC Generic Letter 88-18, Supplement 1, "Guidance on Managing Quality Assurance Records in Electronic Media" (Memorandum to William D. Travers, Executive Director for Operations, NRC, from John T. Larkins, Executive Director, ACRS, dated September 13, 1999)
- Proposed Final Revision 1 to Regulatory Guide 8.15, "Acceptable Programs for Respiratory Protection" (Memorandum to William D. Travers, Executive Director for Operations, NRC, from John T. Larkins, Executive Director, ACRS, dated September 14, 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

465th ACRS Meeting
September 1-3, 1999

MINUTES OF THE 465TH MEETING OF THE
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
SEPTEMBER 1-3, 1999
ROCKVILLE, MARYLAND

The 465th meeting of the Advisory Committee on Reactor Safeguards (ACRS) was held in Conference Room 2B3, Two White Flint North Building, Rockville, Maryland, on September 1-3, 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 and no requests for time to make oral statements from members of the public regarding the meeting.

A transcript of selected portions of the meeting 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.)

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. Safety Evaluation Report Related to the Oconee Nuclear Power Plant License Renewal Application (Open)

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

Dr. Mario Bonaca, Chairman of the Plant License Renewal Subcommittee, noted that the Subcommittee met with representatives of the staff and Duke Energy Corporation (Duke) on June 30 - July 1, 1999, to discuss the safety evaluation report (SER) related to the license renewal of the Oconee Nuclear Station and the associated application and topical reports. He stated that the staff's review was thorough and extensive.

Duke Energy Corporation Presentation

Mr. Greg Robison, Duke, described the Oconee Nuclear Station and the Oconee License Renewal Project. He explained the integrated plant assessment process and the time-limited aging analysis reviews. Mr. Robison identified the number of Oconee programs credited for license renewal that were currently in existence, modified, or new. He presented an overview of the time-limiting aging analyses, exemption reviews, the environmental report, and the format of the application.

The Committee members and Duke representatives discussed measuring reasonable assurance, new aging management programs, the process for closing open items, and using insights from the Oconee individual plant evaluation (IPE).

NRC Safety Evaluation Related to BAW-2251

Mr. Barry Elliot, Office of Nuclear Reactor Regulation (NRR), presented the results of the staff's safety evaluation related to Babcock & Wilcox Owners Group Topical Report BAW-2251, "Demonstration of the Management of Aging Effects for the Reactor Vessel." He presented the aging management programs, the action items required of the applicant, and the plant-specific resolution of two license renewal issues. Mr. Elliot described the time-limiting aging analyses contained in BAW-2251. He presented the master integrated reactor vessel material surveillance programs and the results of pressurized thermal shock (PTS) screening analyses.

The Committee members and the staff discussed the alloy 600 aging management program, inspection and evaluation for flaws, the reexamination of intergranular separation by the French, and the amount of conservatism in bounding analysis.

SER Related to the License Renewal of the Oconee Nuclear Station

Mr. Joseph Sebrosky, NRR, presented a comparison of the format of the Calvert Cliffs and the Oconee license renewal applications and the plant differences. He identified the open and confirmatory items that the staff and Duke were still attempting to resolve.

The Subcommittee members, the staff, and Duke representatives discussed the design basis events used to identify structures, systems, and components that are within the scope of 10 CFR Part 54. They also discussed void swelling and the contents of the final safety analysis report supplement.

Conclusion

The Committee issued a report to the Executive Director for Operations, dated September 13, 1999, on this issue.

III. Proposed Resolution of Generic Safety Issue 145, "Actions to Reduce Common Cause Failures" (Open)

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

Dr. George Apostolakis, Acting Chairman of the Subcommittee on Plant Systems, introduced the topic to the Committee. He stated that the purpose of this briefing was to hear presentations by and hold discussions with representatives of the NRC staff concerning the status of activities related to the proposed resolution of Generic Safety Issue (GSI) 145.

NRC Staff Presentation

Mr. Harold VanderMolen presented a brief background of the proposed resolution of GSI-145. He stated that this GSI originated from Generic Issue (GI) 125.I.5, "Safety Systems Tested in All Conditions Required by DBA." GI-125.I.5 was one of a series of generic issues initiated as part of the agency's response to the Davis-Besse loss-of-feedwater event that occurred in 1985. GI-125.I.5 called for a means to assess the possible benefits of improving inservice, refueling, surveillance, and initial startup test programs, with the intent of discovering and addressing common-cause failures (CCFs). The NRC staff has issued a number of generic communications addressing problems such as those that occurred during the Davis-Besse event. The staff has also taken other actions relevant to identifying and/or addressing CCFs such as the IPE program, station blackout and alternate ac supply requirements, anticipated transients without scram (ATWSs), and the CCF database and methods. On July 30, 1998, the staff issued NRC Administrative Letter 98-04 to inform the licensees about the availability of the CCF database, the CCF analysis software, and associated technical reports. Subsequently, the staff transmitted the multi-volume report NUREG/CR-6268 on CCF by a letter dated July 30, 1998. It was further stated that efforts over the years have been successful. The rate of occurrence of complete CCFs has been steadily decreasing.

Mr. VanderMolen concluded that the dissemination of the NUREG's information to licensees in an administrative letter, the existing base of regulations and operating experience review programs, and oversight programs provide insights for NRC inspections and support of consistent and correct treatment of CCFs in licensee probabilistic risk assessments (PRAs). Therefore, the staff recommends on the basis of the database and its evaluation to close out this GSI and to consider it resolved without recommending any safety enhancements or other regulatory action.

Conclusion

The Committee issued a letter to the Executive Director for Operations dated September 17, 1999, on this matter.

IV. Proposed Final Source Term Rule and Associated Draft Regulatory Guide and Standard Review Plan Section (Open)

[Note: Mr. Paul A. Boehnert was the Designated Federal Official for this portion of the meeting.]

Dr. Thomas Kress, Cognizant ACRS Member, introduced this topic to the Committee. He noted that the Committee had reviewed the realistic source term developed by the staff as specified in NUREG-1465. During the November 1998 meeting, the Committee reviewed the proposed version of the source term rule and issued a favorable letter. The Committee reviewed the final version of the rule, the associated draft regulatory guide and the Standard Review Plan (SRP) section. It was noted that the Severe Accident Management Subcommittee reviewed this matter during the meeting on August 9-10, 1999 meeting.

Dr. Kress asked the Committee to pay particular attention to the following issues during the staff's presentation:

- The staff's redefinition of "source term," designed to make it more broadly applicable to all design basis accidents.
- Adjustments proposed to the source term to account for extended fuel burnup.
- The intention of the staff to require evaluation of the impact of changes to the source term on core damage frequency (CDF) and large early-release frequency (LERF).

- The potential decrease in safety margins with use of the alternative source term (AST).
- The requirement in the draft regulatory guide to use the 1.02 power level, consistent with Appendix K.
- Selective use versus full use of the AST.

NRC Staff Presentation

Mr. S. LaVie, NRR, discussed implementation of the AST at operating reactors, including the final rule version, draft regulatory guide (DG-1081), and the draft SRP Section 15.0.1. Issues discussed by Mr. LaVie included the status of the final rule version, changes made between the proposed and the final rule version, and the objectives and highlights of DG-1081. It was noted that the definition of "source term" was changed to reflect the way it is used in the regulatory guide and to respond to public comments that the definition, as initially stated, may not allow selective use of the AST. As a result of the Subcommittee's comments during its Subcommittee meeting on August 9-10, 1999, NRR will also add wording to the regulatory guide to indicate that any AST proposed by a licensee will require a pedigree similar to the "1465" AST. Mr. LaVie also noted that regarding selective implementation of the AST, the staff will allow the maximum flexibility possible, while maintaining a clear, consistent, logical plant design basis. Finally, NRR will propose creation of a generic issue to address the impact of increased radiation dose from the cesium isotope on vital equipment in containment.

In response to questions from Drs. Powers and Kress, Mr. LaVie discussed the treatment of high-burnup fuel and the properties of the AST.

The status of the pilot plant programs and the technical issues associated with the AST were discussed by Mr. J. Lee, NRR. Mr. Lee detailed the review status of the five pilot plant applications, including the Perry plant pilot that was approved earlier this year. Management schemes for the iodine source term were also noted.

Conclusion

The Committee issued a report to Chairman Dicus, dated September 17, 1999, on this matter

- V. Proposed Revision to Regulatory Guide 1.78 (DG-1087), "Evaluating the Habitability of a Nuclear Power Plant Control Room During a Postulated Hazardous Chemical Release" (Open)

[Note: Mr. Paul A. Boehnert was the Designated Federal Official for this portion of the meeting.]

Dr. Dana Powers, Acting Cognizant Member for this issue, introduced this topic to the Committee. He noted the safety issue, regulatory objectives, and risk significance associated with this revised regulatory guide. The regulatory approach for dealing with the evaluation of the offsite hazards of toxic materials is to employ screening criteria of distance, shipment frequency, and mass. An approved analytical model (HABIT) is endorsed for evaluation of dispersion of toxic materials on site. Limits are proposed on control room concentrations for toxic materials and protective actions for the operators. Dr. Powers said that the Committee anticipates providing formal comments on this matter.

NRC Staff Presentation

Mr. S. Basu, Office of Nuclear Regulatory Research (RES), discussed the proposed revision of Regulatory Guide (RG) 1.78, via Draft Guide (DG) 1087. Issues discussed included background, proposed revisions to RG 1.78, regulatory analysis of proposed revisions (including baseline risk analysis) and schedule milestones. Key points regarding this regulatory guide include

- The proposed revision of RG 1.78 addresses the following items: specifying toxicity limits, clarifying the term "frequent shipments," and recommending the use of an atmospheric dispersion model (see below for specifics).
- This revision incorporates regulatory positions specified in and withdraws RG 1.95, "Protection of Nuclear Power Plant Control Room Operators Against an Accidental Chlorine Release,"
- Regarding toxicity limits, the regulatory guide references the National Institute of Occupational Safety and Health's Immediately Dangerous to Life and Health exposure level concept, which is based on a 30-minute exposure level. Operators are expected to don protective equipment within 2 minutes of detection of hazardous chemicals.
- The staff recommends use of an atmospheric dispersion model either identical or similar to that cited in NUREG/CR-6210, "Computer Codes for Evaluation of Control Room Habitability (HABIT)." This is a puff dispersion model (Gaussian plume), which permits temporal and spatial variations in release terms and concentrations.

- An evaluation of the baseline risk and the impact of the proposed revisions on this risk lead the staff to conclude that the change in risk is not significant.

The staff intends to issue this regulatory guide for public comment in September 1999.

The following issues were raised during the Committee's discussion of this matter:

- Dr. Powers, citing the very low probability of occurrence associated with this issue, asked why the staff does not drop this matter and address any licensing amendments pertaining to this matter by use of RG 1.174. RES said that RG 1.78 is useful to licensees employing deterministic analysis and contains guidance for operator protection from toxic materials.
- Dr. Kress indicated that codes endorsed by the staff in regulatory guides should be subject to rigorous peer review.
- In response to Mr. Sieber, RES said that an evaluation of the IPE of external events insight reports showed only one plant of more than 70 analyzed had a CDF greater than 10^{-7} per reactor year for this accident source.
- Mr. Barton and Dr. Bonaca noted specific language in the draft guide that could lead to imposition of new requirements on licensees. It was suggested that the staff conduct a thorough reading of the guide for such problems. Mr. Basu said the staff would investigate this matter.

Conclusion

The Committee issued a letter to the Executive Director for Operations, dated September 16, 1999, on this matter.

VI. ACRS Plans for Reviewing the RETRAN-3D Thermal-Hydraulic Transient Analysis Code (Open)

[Note: Mr. Paul A. Boehnert was the Designated Federal Official for this portion of the meeting.]

The Committee discussed its future plans relative to its review of the Electric Power Research Institute's (EPRI's) RETRAN-3D thermal-hydraulic transient analysis code. Members of the Committee expressed concern about the RETRAN code and noted the need for accident and transient codes to contain more robust physics in light of the move to risk-informed regulation. The need to develop code review

guidelines was also discussed, taking note of the NRC staff's ongoing efforts in this regard.

Conclusion

The Committee agreed with the NRR staff's suggestion that the ACRS not initiate further action relative to its review of RETRAN, pending the outcome of NRR's review. In addition, the Committee will meet with the staff when the draft code guideline products (the regulatory guide and the SRP section) are available.

VII. Application of the Electric Power Research Institute Risk-Informed Methods to Inservice Inspection of Piping (Open)

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

Dr. William J. Shack, Chairman of the ACRS Subcommittee on Materials and Metallurgy, introduced the topic to the Committee. He stated that the purpose of this meeting was to review the staff's proposed SER on the topical report (EPRI TR-112657, Revision B) regarding application of EPRI risk-informed methods to inservice inspection (ISI) of piping. He noted that the Committee previously met in May 1999 to discuss an earlier version of EPRI TR-112657 and that the ACRS Subcommittees on Materials and Metallurgy and on Reliability and Probabilistic Risk Assessment met on May 5, 1999, to discuss this matter. Dr. Shack introduced the NRC staff and the EPRI representatives in attendance.

NRC Staff Presentation

Messrs. Syed Ali and Steven Dinsmore, NRR, led the discussions for the NRC staff. Messrs. Richard Barrett and William Bateman, NRR, provided supporting discussion. The staff reviewed the schedule for completion of the proposed final SER, summarized the results of pilot plant applications, and discussed the major changes in EPRI TR-112657 since completion of the initial pilots. Significant points made during the presentation include the following:

- The staff plans to issue the proposed final SER by October 31, 1999.
- The staff has approved pilot plant applications for Vermont Yankee and Arkansas Nuclear One Unit 1 (American Society of Mechanical Engineers Boiler and Pressure Vessel Code [ASME] Code Case N-560 for Class 1 piping) and Arkansas Nuclear One Unit 2 (ASME Code Case N-578 for Class 1, 2, and 3 piping).

- The EPRI risk methodology utilizes a cross-comparison matrix of failure potential assessment versus consequence assessment.
- The EPRI methodology can be applied on a system-by-system basis.
- All augmented inspection programs for known degradation mechanisms will continue in addition to the risk-informed program.
- EPRI TR-112657 is consistent with the guidance in RGs 1.174 (General Guidance) and 1.178 (ISI) for risk-informed changes to the licensing basis.

EPRI Presentation

Mr. Biff Bradley of the Nuclear Energy Institute (NEI) introduced the EPRI and industry representatives in attendance and gave an overview of the planned presentation. Mr. Jeffery Mitman, EPRI project manager for risk-informed ISI, led the discussions regarding EPRI TR-112657. Messrs. Karl Fleming, ERIN Engineering; Pat O'Regan, EPRI; Pete Riccardella, Structural Integrity Associates; Vesna Dimitrijevic, Duke Engineering and Services; and Hamilton Fish, New York Power Authority, provided supporting discussion. Significant points made during the presentation include the following:

- Pilot plants include Vermont Yankee, Arkansas Nuclear One Unit 1, River Bend, Waterford, South Texas Project and Braidwood (ASME Code Case N-560 for Class 1 piping) and Arkansas Nuclear One Unit 2 and Fitzpatrick (ASME Code Case N-578 for Class 1,2, and 3 piping).
- Pipe service experience, including susceptible regions and pipe segments, degradation mechanisms, and consequence considerations (initiating event, mitigation capability, and containment effects), is considered in evaluating risk relative to consequence-ranking criteria.
- Implementation of the EPRI method should lead to reduced occupational radiation exposure and associated inspection costs.

Dr. Apostolakis questioned how flow-accelerated corrosion (FAC) will be considered in the EPRI method. EPRI representatives stated that it was included in the augmented inspection program and was, therefore, excluded from the risk-informed approach. EPRI representatives also noted that FAC has the most likelihood of leading to pipe failure, which justifies the need for augmented programs. Dr.

Apostolakis questioned whether FAC was excluded from the Westinghouse Owners Group (WOG) method. The staff noted that it was similarly excluded.

Dr. Shack questioned the extent to which foreign operating experience was considered in establishing pipe rupture frequencies. EPRI representatives stated that pipe rupture frequencies were based on U.S. operating experience; however, comparison with foreign data from Japan and Sweden identified no apparent inconsistencies.

Dr. Apostolakis questioned whether both the EPRI and the WOG approaches were overly timid in allowing reduced inspection programs. He suggested that further reductions could be allowed with little or no increase in risk. The staff agreed that further reductions could be allowed but noted that some licensees may have to upgrade their PRAs to support such requests.

At the conclusion of the meeting, Dr. Apostolakis offered to provide detailed comments on EPRI TR-112657 for consideration by the staff. He noted that these comments did not warrant inclusion in the ACRS letter but should be addressed as a matter of technical accuracy. The staff and EPRI agreed to address Dr. Apostolakis' comments and any comments provided by other ACRS members.

Conclusion

The Committee issued a letter to the Executive Director for Operations dated September 15, 1999, on this matter.

VIII. Proposed Guidance for Using Risk Information in the Review of Licensing Actions (Open)

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

Introduction

Dr. Thomas Kress, Chairman of the Severe Accident Management Subcommittee, stated that the purpose of this briefing was to hear presentations by and hold discussions with representatives of the NRC staff regarding a draft Commission paper concerning proposed staff guidelines for using risk information in the review of licensing actions. Dr. Kress added that the need for such guidelines had been emphasized as a result of the recent request for license amendment by Union Electric Company that was related to the use of electrosleeves at the Callaway Plant Unit 1.

NRC Staff Presentation

Mr. Robert Palla, NRR, Division of System Safety Analysis (DSSA), led the discussions for the staff. Messrs. Gary Holahan and Richard Barrett, DSSA, also participated.

Mr. Palla provided a brief background on the 1995 PRA Policy Statement and the associated implementing guidance in RG 1.174, "An Approach for Using Probabilistic Risk Assessment in Risk-Informed Decisions on Plant-Specific Changes to the Licensing Basis." He clarified that although the Commission has encouraged increased use of PRA in regulatory activities, the guidance in RG 1.174 is only applicable to situations in which licensees voluntarily choose to support licensing actions with risk information. Increased staff use of RG 1.174 guidance to review license amendment requests has underscored the need to develop specific guidelines to deal with proposed licensing actions that are (a) not risk-informed, (b) satisfy existing design and licensing basis, but (c) introduce new potential risks (either new risks or an increase in the probability of occurrence of known risks).

In SECY-98-300, "Options for Risk-Informed Revisions to 10 CFR Part 50 - Domestic Licensing of Production and Utilization Facilities," the staff recommended that guidance and acceptance criteria be developed for using risk information when a licensee does not provide a risk-informed submittal. The staff would use this guidance in deciding if undue risk exists, even when all pertinent regulatory requirements appear to be satisfied. In a staff requirements memorandum (SRM) related to SECY-98-300, the Commission approved the recommendation and directed the staff to submit clarifying guidance for the Commission's approval.

Mr. Palla stated that the staff is proposing to use the safety principles and integrated decisionmaking process described in RG 1.174 to establish the threshold for judging when special circumstances exist. The staff defines these "special circumstances" as conditions under which there is reason to question whether there is adequate protection of public health and safety. Compliance with regulations is presumed to ensure adequate protection unless new information reveals an unforeseen hazard or a potential for a known hazard to occur. The staff is confident of its regulatory authority to require submission of risk information when there is reason to question adequate protection.

Committee members, however, expressed concern about the staff's position on regulatory authority. Specifically, Committee members contended that the staff's use of special circumstances (on the grounds that adequate protection is being compromised) to justify a request for additional information or to deny license

amendment requests could be interpreted as a veiled threat to require each licensee to have a PRA. The staff argued that it is precisely due to this type of concern that explicit and clear guidelines are needed to instruct the staff to use quantitative risk information when a licensee does not provide a risk-informed submittal.

Committee members expressed concern about the availability of the necessary tools for the staff to perform quantitative risk analyses to reach licensing decisions. They also discussed the potential that the guidelines may ultimately place onerous burdens on licensees, thereby preventing the adoption of potentially safety-enhancing technologies, such as the use of electrosleeves.

Conclusion

The Committee deferred preparing a report on this issue until its 466th meeting in October 1999.

IX. Proposed Final Revision 3 to Regulatory Guide 1.105, "Instrument Setpoints for Safety Systems" (Open)

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

Introduction

Dr. Robert E. Uhrig, Chairman of the Subcommittee on Plant Systems, introduced the topic to the Committee. He stated that the purpose of this briefing was to hear presentations by and hold discussions with members of the NRC staff, the author of a differing professional opinion (DPO), and representatives of Westinghouse Electric Company regarding the proposed final revision 3 to Regulatory Guide 1.105, "Setpoints for Safety-Related Instrumentation."

NRC Staff Presentation

Mr. Satish Aggarwal presented a brief overview and discussed the proposed final regulatory guide describing a method acceptable to the staff that complies with the NRC's regulations for ensuring that setpoints for safety-related instrumentation are initially within, and remain within, the technical specification limits. The proposed final revision 3 to Regulatory Guide 1.105 endorses ISA S67.04-Part 1-1994, "Setpoints for Nuclear Safety-Related Instrumentation," dated August 24, 1995. He stated that this standard provides a basis for establishing setpoints for nuclear instrumentation for safety systems and addresses known errors in the

instrumentation channel. The standard states that the limiting safety system setting (LSSS) may be the trip setpoint, an allowable value, or both. For the standard technical specifications, the staff designated the allowable value as the LSSS.

Presentation by the Author of a DPO

Mr. Frederick H. Burrows, author of a DPO regarding a regulatory guide, presented his views on the staff's proposed revision. He stated that he disagrees with the staff on the definition of an LSSS. He stated that the trip point is the only setting to which an instrumentation technician adjusts the channel. It is the "leave alone" or "as left" setting required by plant setting sheets. He stated that an allowable value is not a setting; it is an acceptance value on the "as found" trip value for a specific test or measurement of a channel's setpoint. Typically, there are no plant procedures that require a channel to be set to an allowable value; plant procedures require a channel to be set within a small tolerance around the setpoint.

He further stated that the trip setpoint is the only setting that accounts for all the instrumentation uncertainties in an associated setpoint methodology. Therefore, it is the only setting that is chosen (by the setpoint methodology) such that the automatic protective action corrects the abnormal situation before a corresponding safety limit is exceeded as explicitly required by 10 CFR 50.36(c)(1)(ii)(A). The allowable value does not account for uncertainties encountered during testing, such as drift and calibration tolerances. Therefore, a channel with an "as-left" setting at the allowable value may not trip at a value that will correct (within the probability assumptions of the setpoint methodology) the abnormal situation because it does not account for such a drift.

Westinghouse Presentation

Mr. Rick Tuley of the Westinghouse Electric Company provided his views on the proposed revision to the regulatory guide. He stated that Westinghouse also disagrees with the staff's position that the LSSS is defined as the allowable value. We believe that the original intent of the 10 CFR 50.36 LSSS definition was satisfied by the trip setpoint and further suggested that changing the LSSS definition is not appropriate without entering a formal rulemaking process.

Conclusion

The Committee issued a letter to the Executive Director for Operations dated September 13, 1999, on this matter.

X. Office of Nuclear Regulatory Research (RES) Self-Assessment Program (Open)

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

RES representatives briefed the Committee on their self-assessment prioritization and process. In an SRM dated June 9, 1999, the Commission directed the staff to develop a paper that describes the vision for RES, its role, and how it complements the front-line regulatory activities involving licensing, inspection, and oversight. The Commission also requested that the staff describe how RES is independently examining evolving technology and anticipated issues.

Mr. A. Thadani, Director of RES, stated that from the NRC Strategic Plan of September 1997, the NRC's vision in implementing its mission is to "enable the nation to safely and efficiently use nuclear materials. NRC's actions should be such that the public, those it regulates, and other stakeholders in the national and international nuclear community have the utmost respect for and confidence in the NRC."

The RES staff prepared a draft vision of its role in accomplishing the statutory mission of the NRC. The draft vision states that RES will maintain a center of excellence that provides the technical basis for informed regulatory decisions related to the safe and efficient use of nuclear materials. RES will also ensure that NRC's decisions have a robust technical basis and are clearly understood by the public.

Mr. Thadani noted that to achieve the stated RES vision, RES will have to

- Conduct research to improve the agency's knowledge
- Provide independent review of major agency technical decisions and conduct systematic evaluations of regulatory requirements
- Identify to program offices potential problems and possible resolutions of emerging safety issues
- Perform anticipatory research on safety issues
- Develop and maintain the agency's infrastructure
- Foster public confidence
- Ensure effectiveness and efficiency, including using leverage
- Foster an introspective attitude among RES managers and staff

The objective of RES self-assessment is to increase RES's contribution to the agency's mission by defining desired outcomes, systematically examining work

options to achieve outcomes, and budgeting for work with highest outcome leverage. The RES self-assessment process is being facilitated by Arther Andersen.

RES has identified eight new program areas (planned accomplishments), as follows:

- Develop the technical bases to address identified or potential safety issues
- Develop and employ risk information and insights to improve regulatory effectiveness
- Improve program/process efficiency and product quality
- Determine the regulatory significance of new technical information
- Improve analytical tools and data to support sound realistic decisions
- Prepare NRC to make timely future decisions
- Develop the technical bases to allow reductions to unnecessary licensee burden
- Enhance public confidence

The planned accomplishments are linked to the NRC Strategic Plan goals of maintaining safety, reducing unnecessary regulatory burden, increasing internal effectiveness and efficiency, and increasing public confidence.

Under each planned accomplishment are research activities and issues. Some examples of the issues are the risk-informing of 10 CFR Part 50, the accident sequence precursor program, standards for PRA quality, revision of the PTS rule in 10 CFR 50.61, debris and sump blockage, acceptance criteria for high-burnup fuel, regulatory effectiveness, risk-informed inspection and assessment, deregulation, and generic issues.

In addition to the self-assessment process, RES is developing a prioritization process. The objective of the prioritization process is to rank the technical research activities largely on the basis of their relative contributions to outcomes. RES will employ the analytical hierarchy process, which involves numerical pairwise comparisons of choices before the decision maker to quantify the relative importance of these choices and to prioritize research activities. RES will use evaluation factors based on objective criteria to avoid vague terms such as "high," "medium," and "low." The evaluation factors are as follows:

- The credibility of the available evidence that there is a problem or issue requiring research

- The potential safety significance of the activity viewed in terms of the possible consequences if the design feature or program that is the subject of the research fails to function properly
- The significance of the contribution of the activity to timely, realistic decisionmaking
- The degree of regulatory burden reduction which might result from the activity
- The breadth and scope of applicability of the activity to licensees (i.e., the numbers and types of licensees affected)
- The degree of confidence that the research activity will be effective in decisive resolution of the issue
- The degree of documented support from internal stakeholders
- The level of industry support and participation in resolving the issue that the research activity is addressing
- The degree of leverage produced from participation in domestic and foreign cooperative research programs

Conclusion

This briefing was provided for information only.

XI. Plan for Preparation of the Annual ACRS Report to the Commission

The Committee continued its discussion regarding the proposed plan and schedule for completing the Year 2000 ACRS report to the Commission on the NRC Safety Research Program. Dr. Wallis requested that all ACRS members formulate conceptual visions on how RES can provide the needed technical support for the NRC to meet its mission and performance goals. The Committee identified potential key decision areas in need of robust technical support from RES.

The Committee members were requested to provide their views by September 17, 1999, the following topics:

George Apostolakis - PRA and other issues involving risk
Tom Kress - Power upgrades; licensee requests to reduce margins

Robert Uhrig - Digital instrumentation and control; new technology
William Shack - Electrosleeving; new technology; PTS
Dana Powers - Consequence analysis; risk communication; fire
Graham Wallis - Thermal-hydraulics; Codes
Mario Bonaca - License renewal issues
Robert Seale - Welds; magnetic bearing with pumps
Jack Sieber, John Barton - Effects of regulations in the field; licensee and industrial issues.

Conclusion

The Committee plans to expedite its review and completion of the annual report to the Commission on the NRC Safety Research Program.

XII. 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 decided to continue its discussion of EDO responses to ACRS reports and letters during the ACRS meeting September 30 - October 2, 1999.

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

The Committee heard a report from Dr. Powers and the Executive Director of ACRS on the Planning and Procedures Subcommittee meeting held on August 31, 1999. The following items were discussed:

- Review of the September ACRS Meeting Schedule, Member Assignments, and Priorities for ACRS Reports and Letters

The schedule for the September ACRS meeting, member assignments, and priorities for ACRS reports and letters is included in a separate handout. Letters that would benefit from additional consideration at a future ACRS meeting were discussed, but none

selected. Lessons learned from the July ACRS meeting were also discussed (e.g., effective use of the time earmarked for preparation of draft ACRS reports, effectiveness in providing input to cognizant members in preparing proposed ACRS reports, and priorities for considering ACRS reports).

- ACRS Self-Assessment

The ACRS and the ACNW received a SRM on August 6, 1999, related to their self-assessment report for calendar year 1998. In addition to submitting these reports to the Commission, the ACRS and the ACNW have been using the results of these annual self-assessments in the ACRS and ACNW retreats. The ACNW submitted a separate self-assessment report to the Commission for comment.

In the SRM of August 6, 1999, the Commission states that:

1. The periodic self-assessment report and the ACRS/ACNW Operating Plan can be combined into one annual report. (This step was requested by the ACRS/ACNW office).
2. The reports should include self-assessment summary "matrices."
3. The ACRS and the ACNW, in future reports, should identify areas for improvement and planned actions and should highlight the degree of improvement observed in areas identified in previous assessments.

- Topics for the ACRS Meeting With the Commissioners

The Commission meeting with the ACRS is scheduled for Thursday, November 4, 1999, between 9:30 and 11:30 a.m. Topics proposed by the Planning and Procedures Subcommittee are as follows

- Relationship and Balance Between PRA Results and Defense-in-Depth
- Risk-Informed Regulation/Low-Power and Shutdown Operations Risk
- Strategy for Reviewing License Renewal Applications.
- Risk-informing 10 CFR Part 50.59 (Changes, Tests and Experiments)

- Revisions to 10 CFR Part 50.65, "Requirements for Monitoring the Effectiveness of Maintenance at Nuclear Power Plants"

- Anticipated Workload for ACRS Members

The anticipated workload of the ACRS members through December 1999 was discussed. The objectives are (1) to review the reasons for the scheduling of each activity and the expected work product and to make changes, as appropriate; (2) to manage the members' workload for these meetings; and (3) to plan and schedule items for ACRS discussion of topical and emerging issues. The Subcommittee discussed the anticipated workload in detail and made several comments as well as reassignments, which are incorporated in the Anticipated Workload Table.

- Long-Term Focus for ACRS Activities

The ACRS strategic initiatives proposed by Dr. Powers were distributed to the members during the July 1999 ACRS meeting. These include

- License Renewal
- Annual Report to the Commission on the NRC Safety Research Program
- Risk-Informed Regulation of Material Licensees
- Amendment to 10 CFR 50.55a regarding elimination of the 120-month ISI and IST program update requirement
- Pitfalls on the Road to Risk-Informed Regulation
- Pilot program associated with the revised reactor oversight process
- Development of revised PTS screening criterion
- Definition of Best-Estimate Codes and the ACRS Review of such codes

- Revised Subcommittee Structure

A revised Subcommittee structure prepared by the ACRS staff includes

- Abolishment of the Advanced Reactor Designs Subcommittee
- Creation of a new Subcommittee on Naval Reactors

- Creation of a joint ACRS/ACNW Subcommittee, as approved by the Commission
- Elimination of the completed tasks and inclusion of new tasks for each Subcommittee
- Changes to the Subcommittee membership
- Abolishment of the "Adopt-a-Plant" Program, as previously decided by the Committee

An alternative Subcommittee structure proposed by Dr. Powers was discussed. The approach used is to set up Subcommittees on the basis of the particular tasks that the ACRS will face over the coming year or two. The Subcommittee discussed the alternative structure proposed by Dr. Powers and the feasibility of its implementation. The Subcommittee also discussed whether the concerns and issues raised during Subcommittee meetings have been clearly communicated to the full Committee.

- Research Report to the Commission

Dr. Wallis has met with the Commissioners' Technical Assistants and key members of RES, NRR, and OEDO. Dr. Wallis plans to meet with individual Commissioners during the month of September 1999. The current schedule for preparing the ACRS report to the Commission on the NRC Safety Research Program is

Input to the Draft Report	9/99
Draft 1 of the Report	10/99
Subcommittee Meeting (selected research areas)	10/99
Draft 2 of the Report	11/99
Subcommittee Meeting (if needed)	11/99
Prop	

Dr. Wallis will brief the ACRS on what he has learned from his discussions with the Commissioners' Technical Assistants and the NRC staff and will provide a proposal for the content of and the plan and schedule for providing input to the ACRS report.

- ACRS Retreat

A proposal by Dr. Powers regarding the retreat was discussed and includes the following possible topics:

- Development of a common member understanding of important technical issues
- Development draft position for consideration at regular ACRS meetings
- Improvement of ACRS focus and work process
- Self-Assessment of ACRS effectiveness

- ACRS Fellows Program

The ACRS Vice Chairman provided a status of the activities of the Fellows. He said that Fellows are needed to assess complex technical issues, as well as to prepare White Papers on such issues.

- Meeting Dates for CY 2000

The proposed meeting dates for CY 2000 ACRS meetings were given to the members. As previously agreed to by the Committee, most of the meetings for CY 2000 are scheduled during the first week of the pay period to allow the ACRS staff to use the compressed work schedule pilot program.

- Visit to Region III (Illinois)

Meetings of the joint ACRS Subcommittees on Plant Operations and on Fire Protection have been held at NRC Regions I, II, and IV since 1997. Several members also visited one plant in each of these regions. The Planning and Procedures Subcommittee discussed the benefits of visiting plants and holding meetings with regional personnel.

465th ACRS Meeting
September 1-3, 1999

- Commitments To Attend ACRS Meetings

Members frequently cancel commitments to attend subcommittee meetings or other ACRS trips or meetings, resulting in lower than planned member attendance and, on occasion, last-minute cancellation of hotel reservations. Dr. Larkins recommends that members give attention to informing the staff as soon as possible when it is necessary to cancel attendance at an ACRS trip or meeting.

C. Future Meeting Agenda

Appendix IV summarizes the proposed items endorsed by the Committee for the 466th ACRS Meeting on September 30 - October 2, 1999.

The 465th ACRS meeting was adjourned at 4:47 p.m. on September 3, 1999.

petition without requesting leave of the Board up to 15 days prior to the first prehearing conference scheduled in the proceeding, but such an amended petition must satisfy the specificity requirements described above.

Not later than 15 days prior to the first prehearing conference scheduled in the proceeding, a petitioner shall file a supplement to the petition to intervene which must include a list of the contentions which are sought to be litigated in the matter. Each contention must consist of a specific statement of the issue of law or fact to be raised or controverted. In addition, the petitioner shall provide a brief explanation of the bases of the contention and a concise statement of the alleged facts or expert opinion which support the contention and on which the petitioner intends to rely in proving the contention at the hearing. The petitioner must also provide references to those specific sources and documents of which the petitioner is aware and on which the petitioner intends to rely to establish those facts or expert opinion. The petitioner must provide sufficient information to show that a genuine dispute exists with the applicant on a material issue of law or fact. Contentions shall be limited to matters within the scope of the amendment under consideration. The contention must be one which, if proven, would entitle the petitioner to relief. A petitioner who fails to file such a supplement which satisfies these requirements with respect to at least one contention will not be permitted to participate as a party.

Those permitted to intervene become parties to the proceeding, subject to any limitations in the order granting leave to intervene, and have the opportunity to participate fully in the conduct of the hearing, including the opportunity to present evidence and cross-examine witnesses.

A request for a hearing or a petition for leave to intervene must be filed with the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, Attention: Rulemaking and Adjudications Staff, or may be delivered to the Commission's Public Document Room, the Gelman Building, 2120 L Street, NW., Washington, DC, by the above date. A copy of the petition should also be sent to the Office of the General Counsel, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to John Flynn, Esq., Detroit Edison Company, 2000 Second Avenue, Detroit, Michigan 48226, attorney for the licensee.

Nontimely filings of petitions for leave to intervene, amended petitions, supplemental petitions and/or requests for hearing will not be entertained absent a determination by the Commission, the presiding officer or the presiding Atomic Safety and Licensing Board that the petition and/or request should be granted based upon a balancing of the factors specified in 10 CFR 2.714(a)(1)(i)-(v) and 2.714(d).

If a request for a hearing is received, the Commission's staff may issue the amendment after it completes its technical review and prior to the completion of any required hearing if it publishes a further notice for public comment of its proposed finding of no significant hazards consideration in accordance with 10 CFR 50.91 and 50.92.

For further details with respect to this action, see the application for amendment, dated April 3, 1998, as supplemented on September 28, October 19, and December 10, 1998, and January 8, January 26, February 24, March 30, April 8, April 30, May 7, June 2, June 24, June 30, July 7, July 13, and July 26, 1999, which is available for public inspection at the Commission's Public Document Room, the Gelman Building, 2120 L Street, NW., Washington, DC, and at the local public document room located at the Monroe County Library System, Ellis Reference and Information Center, 3700 South Custer Road, Monroe, Michigan 48161.

Dated at Rockville, Maryland, this 4th day of August, 1999.

For the Nuclear Regulatory Commission,
Andrew J. Kugler,
Project Manager, Section 1, Project Directorate III, Division of Licensing Project Management, Office of Nuclear Reactor Regulation.

[FR Doc. 99-20544 Filed 8-9-99; 8:45 am]
BILLING CODE 7590-01-P

NUCLEAR REGULATORY COMMISSION

Advisory Committee on Reactor Safeguards

Subcommittee Meeting on Planning and Procedures; Notice of Meeting

The ACRS Subcommittee on Planning and Procedures will hold a meeting on August 31, 1999, Room T-2B1, 11545 Rockville Pike, Rockville, Maryland.

The entire meeting will be open to public attendance, with the exception of a portion that may be closed pursuant to 5 U.S.C. 552b(c) (2) and (6) to discuss organizational and personnel matters that relate solely to internal personnel

rules and practices of ACRS, and information the release of which would constitute a clearly unwarranted invasion of personal privacy.

The agenda for the subject meeting shall be as follows: *Tuesday, August 31, 1999—1:00 p.m. until the conclusion of business.*

The Subcommittee will discuss proposed ACRS activities and related matters. It may also discuss the status of appointment of a new member to the ACRS. 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; 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 Subcommittee, its consultants, and staff. Persons desiring to make oral statements should notify the cognizant ACRS staff person named below five days prior to the meeting, if possible, so that appropriate arrangements can be made.

Further information regarding topics to be discussed, the scheduling of sessions open to the public, 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 the cognizant ACRS staff person, Dr. John T. Larkins (telephone: 301/415-7360) 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 changes in schedule, etc., that may have occurred.

Dated: August 4, 1999.

Richard P. Savio,
Associate Director for Technical Support,
ACRS/ACNW.

[FR Doc. 99-20541 Filed 8-9-99; 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 September 1-3, 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).

Wednesday, September 1, 1999

8:30 A.M.-8:45 A.M.: Opening Remarks by the ACRS Chairman (Open)—The ACRS Chairman will make opening remarks regarding the conduct of the meeting.

8:45 A.M.-10:45 A.M.: Safety Evaluation Report Related to the Oconee Nuclear Power Plant License Renewal Application (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff and Duke Energy Corporation regarding the staff's Safety Evaluation Report associated with the license renewal application for the Oconee Nuclear Power Plant Units 1, 2, and 3, and other license renewal issues.

11:00 A.M.-12:00 Noon: Proposed Resolution of Generic Safety Issue-145, "Actions to Reduce Common Cause Failures" (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding proposed resolution of Generic Safety Issue-145.

1:00 P.M.-3:00 P.M.: Proposed Final Source Term Rule and Associated Draft Regulatory Guide and Standard Review Plan Section (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the proposed final rule on the application of alternative source term at operating plants and associated draft regulatory guide and Standard Review Plan Section, and related matters.

3:15 P.M.-4:15 P.M.: Proposed Revision to Regulatory Guide 1.78 (DG-1087), "Evaluating the Habitability of a Nuclear Power Plant Control Room During a Postulated Hazardous Chemical Release" (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the proposed revision to Regulatory Guide 1.78.

4:15 P.M.-4:45 P.M.: ACRS Plans for Reviewing the RETRAN-3D Thermal-Hydraulic Transient Analysis Code (Open)—The Committee members will discuss the ACRS plans for reviewing the Electric Power Research Institute RETRAN-3D thermal-hydraulic transient analysis code.

4:45 P.M.-5:45 P.M.: Break and Preparation of Draft ACRS Reports (Open)—Cognizant ACRS members will

prepare draft reports for consideration by the full Committee.

5:45 P.M.-7:15 P.M.: Discussion of Proposed ACRS Reports (Open)—The Committee will discuss proposed ACRS reports on matters considered during this meeting. In addition, the Committee will discuss a follow-up letter to the NRC Executive Director for Operations' (EDO's) response to the May 19, 1999 ACRS letter on the Modifications Proposed by the Westinghouse Owners Group to the Core Damage Assessment Guidelines and the Post Accident Sampling System Requirements, and a Joint ACRS/ACNW report on the Proposed Framework for Risk-Informed Regulation in the NRC Office of Nuclear Material Safety and Safeguards.

Thursday, September 2, 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.: Application of the Electric Power Research Institute (EPRI) Risk-Informed Methods to Inservice Inspection of Piping (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff and EPRI regarding the staff's proposed final Safety Evaluation Report on the application of the EPRI risk-informed methods to inservice inspection of piping at nuclear power plants.

10:15 A.M.-11:45 A.M.: Proposed Guidance for Using Risk Information in the Review of Licensing Actions (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the proposed guidance for using risk information in the review of licensing actions, and related matters.

12:45 P.M.-2:00 P.M.: Proposed Final Revision 3 to Regulatory Guide 1.105, Instrument Setpoints for Safety Systems (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding proposed final revision 3 to Regulatory Guide 1.105.

2:15 P.M.-3:45 P.M.: Office of Nuclear Regulatory Research (RES) Self-Assessment Program (Open)—The Committee will hear presentations by and hold discussions with representatives of RES regarding the status of activities associated with the RES self-assessment program, including the proposed process for prioritizing RES activities.

4:00 P.M.-5:00 P.M.: Break and Preparation of Draft ACRS Reports (Open)—Cognizant ACRS members will

prepare draft reports for consideration by the full Committee.

5:00 P.M.-7:15 P.M.: Discussion of Proposed ACRS Reports (Open)—The Committee will discuss proposed ACRS reports on matters considered during this meeting.

Friday, September 3, 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.-9:15 A.M.: Report of the Planning and Procedures Subcommittee (Open)/Closed—The Committee 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.

Note: A portion of this session may be closed to discuss organizational and personnel matters that relate solely to the internal personnel rules and practices of this Advisory Committee, and information the release of which would constitute a clearly unwarranted invasion of personal privacy.

9:15 A.M.-9:30 A.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.

9:30 A.M.-9:45 A.M.: Reconciliation of ACRS Comments and Recommendations (Open)—The Committee will discuss the responses from the 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.

10:00 A.M.-5:00 P.M.: Discussion of Proposed ACRS Reports (Open)—The Committee will continue its discussion of proposed ACRS reports on matters considered during this meeting.

5:00 P.M.-5:30 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 29, 1998 (63 FR 51968). 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.

In accordance with Subsection 10(d) P.L. 92-463, I have determined that it is necessary to close a portion of this meeting noted above to discuss matters that relate solely to the internal personnel rules and practices of this Advisory Committee per 5 U.S.C. 552b(c)(2) and to discuss information the release of which would constitute a clearly unwarranted invasion of personal privacy per 5 U.S.C. 552b(c)(6).

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.

Dated: August 3, 1999.
Andrew L. Bates,
Advisory Committee Management Officer.
[FR Doc. 99-20542 Filed 8-9-99; 8:45 am]
BILLING CODE 7590-01-P

SECURITIES AND EXCHANGE COMMISSION

[Investment Company Act Release No. 23933; 812-11606]

Amway Mutual Fund Trust et al.; Notice of Application

August 3, 1999.
AGENCY: Securities and Exchange Commission ("Commission").
ACTION: Notice of application for an order under section 6(c) of the Investment Company Act of 1940 (the "Act") for an exemption from section 15(a) of the Act and rule 18f-2 under the Act.

SUMMARY OF APPLICATION: The requested order would permit applicants, Amway Mutual Fund Trust (the "Trust"), Amway Management Company ("Amway"), and Activa Asset Management LLC ("Activa") and together with Amway, the "Managers"), to enter into and materially amend subadvisory agreements without obtaining shareholder approval.
FILING DATES: The application was filed on February 24, 1999, and was amended on July 13, 1999. Applicants have agreed to file an amendment during the notice period, the substance of which is reflected in this notice.

HEARING OR NOTIFICATION OF HEARING: An order granting the application will be issued unless the Commission orders a hearing. Interested persons may request a hearing by writing to the Commission's Secretary and serving applicants with a copy of the request, personally or by mail. Hearing requests should be received by the Commission by 5:30 p.m. on August 30, 1999, and should be accompanied by proof of service on applicants, in the form of an affidavit, or, for lawyers, a certificate of service. Hearing requests should state the nature of writer's interest, the reason for the request, and the issues contested. Persons who wish to be notified of a hearing may request notification by writing to the Commission's Secretary.

ADDRESSES: Secretary, Commission, 450 Fifth Street, NW, Washington, DC 20549-0609; Applicants, 2905 Lucerne SE, Grand Rapids, MI 45546.

FOR FURTHER INFORMATION CONTACT: Deepak T. Pai, Senior Counsel, at (202) 942-0574 or George J. Zornada, Branch

Chief, at (202) 942-0564, (Division of Investment Management, Office of Investment Company Regulation).

SUPPLEMENTARY INFORMATION: The following is a summary of the application. The complete application may be obtained for a fee at the Commission's Public Reference Branch, 450 Fifth Street, NW, Washington, DC 20549-0102 (telephone (202) 942-8090).

Applicants' Representations

1. The Trust, a Delaware business trust, is registered under the Act as an open-end management investment company and operates as a series company. The only series of the Trust presently offered to the public is Amway Mutual Fund ("Fund"). The Trust has recently authorized four additional series ("New Funds") (together with the Fund, the "Funds").¹

2. Anyway is an investment adviser registered under the Investment Advisers Act of 1940 ("Advisers Act"). Amway serves as investment adviser to the Fund under an investment management agreement between Amway and the Fund that was approved by the Trust's board of trustees ("Board"), including a majority of trustees who are not "interested persons," as defined in section 2(a)(19) of the Act ("Independent Trustees"), and the shareholders of the Fund (the "Management Agreement"). Activa, an investment adviser which will be registered under the Advisers Act, will serve as investment adviser to the Fund and the New Funds under an investment management agreement between Activa and the Funds that was approved by the Board, including a majority of the Independent Trustees, and will be approved by the initial shareholders of the New Funds before they are offered to the public and by shareholders of the Fund at a meeting scheduled to be held on August 30, 1999 (the "New Management Agreement").² The Managers are under

¹ Applicants also request that the relief apply to all registered open-end management investment companies or series thereof that are now, or in the future will be, advised by the Managers or any entity controlling, controlled by, or under common control with the Managers and which operate in substantially the same manner as the Trust ("Future Funds"). Applicants state that all existing investment companies that currently intend to rely on the requested order have been named as applicants, and any Future Funds that subsequently rely on the requested order will comply with the terms and conditions in the application.

² The New Management Agreement will not be effective until the effective date of Activa's registration under the Advisers Act. If the New Management Agreement is not approved by shareholders of the Fund, Amway will continue to serve as investment adviser to the Fund.



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

August 27, 1999 - REVISED

SCHEDULE AND OUTLINE FOR DISCUSSION
465TH ACRS MEETING
SEPTEMBER 1-3, 1999

**WEDNESDAY, SEPTEMBER 1, 1999, CONFERENCE ROOM 2B3, TWO WHITE FLINT NORTH,
 ROCKVILLE, MARYLAND**

- 1) 8:30 - ³⁵8:45 A.M. Opening Remarks by the ACRS Chairman (Open)
 1.1) Opening statement (DAP/JTL/RPS)
 1.2) Items of current interest (DAP/NFD/SD)
 1.3) Priorities for preparation of ACRS reports (DAP/JTL/SD)
- 2) ³⁵8:45 - ⁵⁰10:45 A.M. Safety Evaluation Report Related to the Oconee Nuclear Power Plant License Renewal Application (Open) (MVB/NFD)
 2.1) Remarks by the Subcommittee Chairman
 2.2) Briefing by and discussions with representatives of the NRC staff and Duke Energy Corporation regarding the staff's Safety Evaluation Report associated with the license renewal application for the Oconee Nuclear Power Plant Units 1, 2, and 3, and other license renewal issues.
- ⁵⁰10:45 - ¹⁰11:00 A.M. *****BREAK*****
- 3) ¹⁰11:00 - ¹²12:00 Noon Proposed Resolution of Generic Safety Issue-145, "Actions to Reduce Common Cause Failures" (Open) (GA/JJB/AS)
 3.1) Remarks by the Subcommittee Chairman
 3.2) Briefing by and discussions with representatives of the NRC staff regarding proposed resolution of Generic Safety Issue-145.
- Representatives of the nuclear industry will provide their views, as appropriate.
- ¹²12:00 - ¹²1:00 P.M. *****LUNCH*****
- 4) ¹²1:00 - 3:00 P.M. Proposed Final Source Term Rule and Associated Draft Regulatory Guide and Standard Review Plan Section (Open) (TSK/PAB)
 4.1) Remarks by the Subcommittee Chairman
 4.2) Briefing by and discussions with representatives of the NRC staff regarding the proposed final rule on the application of alternative source term at operating plants and associated draft regulatory guide and Standard Review Plan Section, and related matters.

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

- 3:00 - 3:15¹⁷ P.M. ***BREAK***
- 5) 3:15¹⁷ - 4:15⁴² P.M. Proposed Revision to Regulatory Guide 1.78 (DG-1087), "Evaluating the Habitability of a Nuclear Power Plant Control Room During a Postulated Hazardous Chemical Release" (Open) (TSK/DAP/PAB)
- 5.1) Remarks by the Subcommittee Chairman
 - 5.2) Briefing by and discussions with representatives of the NRC staff regarding the proposed revision to Regulatory Guide 1.78.
- Representatives of the nuclear industry will provide their views, as appropriate.
- 6) 4:15⁴² - 4:45^{5:30} P.M. ACRS Plans for Reviewing the RETRAN-3D Thermal-Hydraulic Transient Analysis Code (Open) (GBW/PAB)
- 6.1) Remarks by the Full Committee/Subcommittee Chairmen
 - 6.2) Discussion by the Committee members regarding the ACRS plans for reviewing the Electric Power Research Institute RETRAN-3D thermal-hydraulic transient analysis code.
- 7) 4:45^{5:30 - 6:30} - 5:45 P.M. Break and Preparation of Draft ACRS Reports
Cognizant ACRS members will prepare draft reports for consideration by the full Committee.
- 8) 5:45^{6:25 45} - 7:15 P.M. Discussion of Proposed ACRS Reports (Open)
Discussion of proposed ACRS reports on:
- 8.1) Proposed Resolution of Generic Safety Issue-145, "Actions to Reduce Common Cause Failures" (GA/JJB/AS)
 - 8.2) Oconee License Renewal Application (MVB/NFD)
 - 8.3) Comments on the EDO's Response to the ACRS Letter on the Westinghouse Owners Group Modifications to Post Accident Sampling System Requirements (TSK/PAB)
 - 8.4) Proposed Revision to Regulatory Guide 1.78 (TSK/DAP/PAB)
 - 8.5) Proposed Final Rule on the Application of Alternative Source Term at Operating Plants and Associated Draft Regulatory Guide and Standard Review Plan Section (TSK/PAB)
 - 8.6) Joint ACRS/ACNW Report on the Proposed Framework for Risk-Informed Regulation in the Office of Nuclear Material Safety and Safeguards (TSK/GA/MTM/JNS)
- 7:23-7:40
6:45-7:13

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

- 9) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (DAP/RPS)

- 10) 8:35 - 10:²⁰00 A.M. Application of the Electric Power Research Institute (EPRI) Risk-Informed Methods to Inservice Inspection of Piping (Open) (WJS/GA/MTM)
 10.1) Remarks by the Subcommittee Chairman
 10.2) Briefing by and discussions with representatives of the NRC staff and EPRI regarding the staff's proposed final Safety Evaluation Report on the application of the EPRI risk-informed methods to inservice inspection of piping at nuclear power plants.
- Representatives of the nuclear industry will provide their views, as appropriate.
- 10:²⁰00 - 10:³⁵15 A.M. ***BREAK***
- 11) 10:³⁵15 - 11:^{12:05}45 A.M. Proposed Guidance for Using Risk Information in the Review of Licensing Actions (Open) (TSK/NFD/JDP)
 11.1) Remarks by the Subcommittee Chairman
 11.2) Briefing by and discussions with representatives of the NRC staff regarding the proposed guidance for using risk information in the review of licensing actions, and related matters.
- Representatives of the nuclear industry will provide their views, as appropriate.
- 12:^{12:05}45 - 1:^{1:05}05 P.M. ***LUNCH***
- 12) 12:^{1:05}45 - 2:⁵²45 P.M. Proposed Final Revision 3 to Regulatory Guide 1.105, "Instrument Setpoints for Safety Systems" (Open) (REU/AS)
 12.1) Remarks by the Subcommittee Chairman
 12.2) Briefing by and discussions with representatives of the NRC staff, the author of a Differing Professional Opinion, and a representative of the Westinghouse Electric Company regarding proposed final revision 3 to Regulatory Guide 1.105.
- 2:⁵²45 - 3:¹⁵00 P.M. ***BREAK***
- 13) 3:¹⁵00 - 4:^{5:19}30 P.M. Office of Nuclear Regulatory Research (RES) Self-Assessment Program (Open) (GBW/MME)
 13.1) Remarks by the Subcommittee Chairman
 13.2) Briefing by and discussions with representatives of RES regarding the status of activities associated with the RES self-assessment program, including the proposed process for prioritizing RES activities.

- 14) ^{5:40-6:30}
4:30 - 5:30 P.M. Break and Preparation of Draft ACRS Reports
Cognizant ACRS members will prepare draft reports for consideration by the full Committee.
- 15) ^{6:30 50}
5:30 - 7:15 P.M. Discussion of Proposed ACRS Reports (Open)
Discussion of proposed ACRS reports on:
- 15.1) Proposed Guidance for Using Risk Information in the Review of Licensing Actions (TSK/NFD/JDP)
 - 15.2) Application of EPRI Risk-Informed Methods to Inservice Inspection of Piping (WJS/GA/MTM)
 - 15.3) Proposed Final Rule on the Application of Alternative source Term at Operating Plants and Associated Draft Regulatory Guide and Standard Review Plan Section (TSK/PAB)
 - 15.4) Proposed Resolution of Generic Safety Issue -145, "Actions to Reduce Common Cause Failures" (GA/JJB/AS)
 - 15.5) Oconee License Renewal Application (MVB/NFD)
 - 15.6) Proposed Revision 3 to Regulatory Guide 1.105 (REU/AS)
 - 15.7) Proposed Revision to Regulatory Guide 1.78 (TSK/DAP/PAB)
 - 15.8) Joint ACRS/ACNW Report on the Proposed Framework for Risk-Informed Regulation in NMSS (TSK/GA/MTM/JNS)
- 6:20-7:50*

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

- 16) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open) (DAP/JTL)
8:35-10:50 Discuss Proposed ACRS Reports
- 17) ~~8:35 - 9:15 A.M.~~
10:50 - 11:25 Report of the Planning and Procedures Subcommittee (Open)/Closed) (DAP/JTL)
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.

[Note: A portion of this session may be closed to discuss organizational and personnel matters that relate solely to the internal personnel rules and practices of this Advisory Committee, and information the release of which would constitute a clearly unwarranted invasion of personal privacy.]

- 18) ^{12:00-12:10}
~~9:15 - 9:30 A.M.~~ Future ACRS Activities (Open) (DAP/JTL/RPS/SD)
Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee during future meetings.
- 19) ^{12:10-12:45 Discuss Research Report}
~~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.

- 35-9:45
 9:45 - 10:00 A.M. ***BREAK***
- 9:55 - 4:47
 20) 10:00 - 5:00 P.M. Discussion of Proposed ACRS Reports (Open)
 (42:00-4:00 P.M. LUNCH) Discussion of proposed ACRS reports on:
- 11:30-12:00 8:35-9:05 20.1) Proposed Guidance for Using Risk Information in the Review
 3:28-4:00 of Licensing Actions (TSK/NFD/JDP)
- 10:05-10:50 20.2) Application of EPRI Risk-Informed Methods to Inservice
 Inspection of Piping (WJS/GA/MTM)
- 12:30-1:30 20.3) Proposed Final Rule on Application of Alternative Source
 4:05-4:35 Term at Nuclear Power Plants and Associated Draft
 Regulatory Guide and Standard Review Plant Section
 (TSK/PAB)
- 9:05-9:35 20.4) Proposed Resolution of Generic Safety Issue-145, "Actions to
 Reduce Common Cause Failures" (GA/AS)
- 3:05-3:10 20.5) Oconee License Renewal Application (MVB/NFD)
- 2:15-2:50 20.6) Proposed Revision to Regulatory Guide 1.78 (TSK/DAP/PAB)
- 1:30-1:55 + 3:10-3:25 20.7) Proposed Revision 3 to Regulatory Guide 1.105 (REU/AS)
- 20.8) Joint ACRS/ACNW Report on the Proposed Framework for
 Risk-Informed Regulation in NMSS (TSK/GA/MTM/JNS)
- 21) 5:00 - 5:30 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

465TH ACRS MEETING SEPTEMBER 1-3, 1999

NRC STAFF (September 1, 1999)

J. Mitchell, OEDO	M. Reinhart, NRR
R. Prato, NRR	M. Snodderly, NRR
J. Sebrosky, NRR	R. Landry, NRR
D. Wessman, NRR	J. Staudenmeier, NRR
B. Bateman, NRR	R. Caruso, NRR
P. Shemanski, NRR	H. VanderMolen, RES
C. Grimes, NRR	J. Flack, RES
J. Fair, NRR	J. Rosenthal, RES
D. Jeng, NRR	D. Rasmuson, RES
L. Lois, NRR	J. Shaperow, RES
S. Hou, NRR	S. Basu, RES
T. Cheng, NRR	D. Solorio, NRR
A. Hiser, NRR	M. Hart, NRR
G. Bagchi, NRR	
S. Lee, NRR	
S. Hoffman, NRR	
F. Grubelichy, NRR	
P. T. Kuo, NRR	
S. Mitra, NRR	
P. Kang, NRR	
B. Elliott, NRR	
L. Barric, NRR	
W. Burton, NRR	
K. Parczewsky, NRR	
N. Yuki, NRR	
J. Medoff, NRR	
H. B. Wang, NRR	
W. Liu, NRR	
C. Gratton, NRR	
S. Sheng, NRR	
D. Nguyen, NRR	
G. Georgiev, NRR	
J. Davis, NRR	
I. Rajan, NRR	
G. Parry, NRR	
J. Lee, NRR	
A. Drozo, NRR	
S. LaVie, NRR	

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC

M. Fallin, Constellation Nuclear Services
R. P. Colaianni, Duke Energy
D. Ramsey, Duke Energy
G. Robison, Duke Energy
K. Cozens, NEI
P. Negus, GE
M. Knapik, McGraw-Hill
C. Arnold, NUS

NRC (September 2, 1999)

J. Mitchell, OEDO	S. Bahadur, RES
M. Tschultz, OEDO	F. Cherny, RES
S. Ali, NRR	N. Chokshi, RES
S. Dinsmore, NRR	J. Flack, RES
B. Bateman, NRR	M. Marshall, RES
G. Georgiev, NRR	C. Ader, RES
B. Palla, NRR	P. Lewis, RES
M. Barrett, NRR	A. Ramey-Smith, RES
G. Parry, NRR	J. Rosenthal, RES
M. Rubin, NRR	N. Kadambi, RES
C. Schulten, NRR	E. Rossi, RES
T. Dunning, NRR	
J. Strosnider, NRR	
F. Burrows, NRR	
H. Garg, NRR	
E. Marinos, NRR	
C. Douff, NRR	
J. Lazevnick, NRR	
P. Loesed, NRR	
J. Calvo, NRR	
T. Koshy, NRR	
W. Beckner, NRR	
D. Skeew, NRR	
J. Vora, RES	
M. Mayfield, RES	
J. Craig, RES	
S. Basu, RES	
C. Kasputys, RES	
E. Hackett, RES	
M. Kirk, RES	

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC

H. Fish, NYPA
P. Riccardella, Structural Integrity Assoc.
D. Raleigh, SERCH
K. Fleming, ERIN Engineering
P. O'Regan, EPRI
L. Victory, Jr., Curtiss Wright
V. Mimihijexic, Duke Engineering
J. Mitman, EPRI
B. Bradley, NEI
C. Amonso, NUS
C. Tuley, Westinghouse
T. P. Williams, Westinghouse



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

September 24, 1999 REVISED

SCHEDULE AND OUTLINE FOR DISCUSSION
 466TH ACRS MEETING
 SEPTEMBER 30 - OCTOBER 2, 1999

**THURSDAY, SEPTEMBER 30, 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. NRC Safety Research Program (Open) (GBW/MME)
 2.1) Remarks by the Subcommittee Chairman
 2.2) Briefing by and discussions with representatives of NRC staff on the Research Mission.
 2.3) Discussion of the proposed ACRS report to the Commission on the NRC Safety Research Program and related matters.
- 10:15 - 10:30 A.M. *****BREAK*****
- 3) 10:30 - 12:00 Noon Combustion Engineering Owners Group (CEOG) Proposal to Eliminate the Post-Accident Sampling System Requirements (Open) (TSK/PAB)
 3.1) Remarks by the Subcommittee Chairman
 3.2) Briefing by and discussions with representatives of CEOG and the NRC staff regarding CEOG proposal to eliminate the post-accident sampling system requirements.
- 12:00 - 1:00 P.M. *****LUNCH*****
- 4) 1:00 - 2:30 P.M. Rulemaking and Review Plans Associated with the Development of Risk-Informed Revisions to 10 CFR Part 50 (Open) (GA/MTM)
 4.1) Remarks by the Subcommittee Chairman
 4.2) Briefing by and discussions with representatives of the NRC staff and the Nuclear Energy Institute (NEI) regarding the proposed rulemaking and review plans associated with the development of risk-informed revisions to 10 CFR Part 50, "Domestic Licensing of Production and Utilization Facilities."
- 2:30 - 2:45 P.M. *****BREAK*****

- 5) 2:45 - 3:45 P.M. Proposed Resolution of Generic Safety Issue (GSI)-148, "Smoke Control and Manual Fire Fighting Effectiveness" (Open) (JJB/AS)
- 5.1) Remarks by the Subcommittee Chairman
 - 5.2) Briefing by and discussions with representatives of the NRC staff regarding the proposed resolution of GSI-148.

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

- 6) 3:45 - 4:30 P.M. Discussion of Proposed ACRS Report (Open) (TSK/NFD/JDP)
Discussion of the ACRS report on the draft Commission Paper regarding Proposed Guidelines for Applying Risk-Informed Decisionmaking in the Licensing Process.
- 7) 4:30 - 5:30 P.M. Break and Preparation of Draft ACRS Reports
Cognizant ACRS members will prepare draft reports for consideration by the full Committee.
- 8) 5:30 - 6:30 P.M. Joint ACRS/ACNW Report on the Proposed Framework for Risk-Informed Regulation in NMSS (Open) (TSK/GA/MTM/JS)
- 8.1) Remarks by the ACRS members of the Joint ACRS/ACNW Subcommittee
 - 8.2) Discussion of Joint ACRS/ACNW Report
- 9) 6:30 - 7:30 P.M. Discussion of Proposed ACRS Reports (Open)
Discussion of proposed ACRS reports on:
- 9.1) Combustion Engineering Owners Group Proposal to Eliminate the Post-Accident Sampling System Requirements (TSK/PAB)
 - 9.2) Proposed Resolution of GSI-148, "Smoke Control and Manual Fire Fighting Effectiveness" (JJB/AS)

FRIDAY, OCTOBER 1, 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)-23, "Reactor Coolant Pump Seal Failures" (Open) (GBW/PAB)
- 11.1) Remarks by the Subcommittee Chairman
 - 11.2) Briefing by and discussions with representatives of the NRC staff regarding the proposed resolution of GSI-23

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

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

- 12) 10:15 - 11:00 A.M. Status of the Proposed Final Amendment to 10 CFR 50.55a, "Codes and Standards" (Open) (WJS/NFD)
 12.1) Remarks by the Subcommittee Chairman
 12.2) Briefing by and discussions with representatives of the NRC staff and Nuclear Energy Institute (NEI) regarding the status of the proposed final amendment to 10 CFR 50.55a related to elimination of the requirement to update the inservice inspection and inservice testing programs every 120 months, as well as the status of resolution of the issues associated with the volumetric examination of the small-bore piping of the high-pressure safety injection system.
- Representatives of the American Society of Mechanical Engineers will provide their views, as appropriate.
- 13) 11:00 - 11:30 A.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.
- 14) 11:30 - 12:00 Noon Strategy for Reviewing License Renewal Applications (Open) (MVB/NFD)
 14.1) Remarks by the Subcommittee Chairman
 14.2) Discussion of the proposed strategy for ACRS review of the license renewal applications and related matters.
- 12:00 - 1:00 P.M. *****LUNCH****
- 15) 1:00 - 2:30 P.M. Proposed Regulatory Guide on Design Bases Information (Open) (JJB/MTM/JDP)
 15.1) Remarks by the Subcommittee Chairman
 15.2) Briefing by and discussions with representatives of the NRC staff and NEI regarding the proposed regulatory guide, which endorses NEI 97-04 document, "Design Bases Program Guidelines," and related matters.
- 2:30 - 2:45 P.M. *****BREAK*****
- 16) 2:45 - 3:45 P.M. Proposed Resolution of Generic Safety Issue B-55, "Improved Reliability of Target Rock Safety Relief Valves" (Open) (JDS/AS)
 16.1) Remarks by the Cognizant ACRS Member
 16.2) Briefing by and discussions with representatives of the NRC staff regarding the proposed resolution of GSI B-55.

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

- 17) 3:45 - 4:45 P.M. Break and Preparation of Draft ACRS Reports
Cognizant ACRS members will prepare draft reports for consideration by the full Committee.
- 18) 4:45 - 7:15 P.M. Discussion of Proposed ACRS Reports (Open)
Discussion of proposed ACRS reports on:
- 18.1) Proposed Resolution of GSI-23, "Reactor Coolant Pump Seal Failures" (GBW/PAB)
 - 18.2) Combustion Engineering Owners Group Proposal to Eliminate the Post Accident Sampling System Requirements (TSK/PAB)
 - 18.3) Proposed Resolution of GSI-148, "Smoke Control and Manual Fire Fighting Effectiveness" (JJB/AS)
 - 18.4) Draft Commission Paper Regarding Proposed Guidelines for Applying Risk-Informed Decisionmaking in the Licensing Process (TSK/NFD/JDP)
 - 18.5) Joint ACRS/ACNW Report on the Proposed Framework for Risk-Informed Regulation in NMSS (TSK/GA/MTM/JS)
 - 18.6) Proposed Regulatory Guide on Design Bases Information (JJB/MTM/JDP)
 - 18.7) Proposed Resolution of GSI B-55, "Improved Reliability of Target Rock Safety Relief Valves" (JDS/AS)
 - 18.8) Rulemaking and Review Plans Associated with the Development of Risk-Informed Revisions to 10 CFR Part 50 (GA/MTM)

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

- 19) 8:30 - 10:15 A.M. Discussion of Topics for ACRS Meeting with the Commission (Open)
(DAP/JTL)
Discussion of the following topics for meeting with the NRC Commissioners on November 4, 1999:
- 19.1) Risk-Informing 10 CFR Part 50 (GA/MTM)
 - 19.2) Risk-Informing 10 CFR Part 50.59 (Changes, Tests and Experiments) (GA/MTM)
 - 19.3) Relationship and Balance Between PRA Results and Defense-in-Depth (TSK/MTM/JNS)
 - 19.4) Strategy for Reviewing License Renewal Applications (MVB/NFD)
 - 19.5) NRC Safety Research Program (GBW/MME)
 - 19.6) Multiple SSCs Out of Service During Maintenance (JJB/AS)
 - 19.7) High Burnup Fuel Phenomena Identification and Ranking (DAP/MME)
 - 19.8) Low-Power and Shutdown Operations Risk (MVB/MME)

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

- 20) 10:30 - 11:00 A.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.
- 21) 11:00 - 11:30 A.M. Future ACRS Activities (Open) (DAP/JTL/RPS/SD)
Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee.
- 22) 11:30 - 12:15 P.M. Subcommittee Chairman Reports (Open)
22.1) Proposed Final Revision to Regulatory Guide 1.8, Qualification and Training of Personnel at NPPs (RLS/NFD)
22.2) Possible Modifications to the PRA Implementation Plan (GA/MTM)
22.3) Control Room Habitability (TSK/PAB)
- 12:15 - 1:15 P.M. *****LUNCH****
- 23) 1:15 - 3:00 P.M. Discussion of Proposed ACRS Reports (Open)
Discussion of proposed ACRS reports on:
23.1) Proposed Resolution of GSI-23, "Reactor Coolant Pump Seal Failures" (GBW/PAB)
23.2) Combustion Engineering Owners Group Proposal to Eliminate the Post Accident Sampling System Requirements (TSK/PAB)
23.3) Proposed Resolution of GSI-148, "Smoke Control and Manual Fire Fighting Effectiveness" (JJB/AS)
23.4) Draft Commission Paper Regarding Proposed Guidelines for Applying Risk-Informed Decisionmaking in the Licensing Process (TSK/NFD/JDP)
23.5) Joint ACRS/ACNW Report on the Proposed Framework for Risk-Informed Regulation in NMSS (TSK/GA/MTM/JS)
23.6) Proposed Regulatory Guide on Design Bases Information (JJB/MTM/JDP)
23.7) Proposed Resolution of GSI B-55, "Improved Reliability of Target Rock Safety Relief Valves" (JDS/AS)
23.8) Rulemaking and Review Plans Associated with the Development of Risk-Informed Revisions to 10 CFR Part 50 (GA/MTM)
- 24) 3:00 - 3:30 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 V
LIST OF DOCUMENTS PROVIDED TO THE COMMITTEE
465th ACRS MEETING
SEPTEMBER 1-3, 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 Opening Remarks by the ACRS Chairman
 1. Items of Interest, dated September 1-3, 1999

- 2 Safety Evaluation Report Related to the Oconee Nuclear Power Plant License Renewal Application
 2. Oconee License Renewal Project, presentation by Duke Power (licensee) [Viewgraphs]
 3. ACRS License Renewal, NRC Safety Evaluation Related to BAW-2251, presentation by B. Elliot, NRR [Viewgraphs]
 4. Oconee License Renewal Application, presentation by J. Sebrosky, NRR [Viewgraphs]

- 3 Proposed Resolution of Generic Safety Issue-145, "Actions to Reduce Common Cause Failures"
 5. Generic Issue-145: Actions to Reduce Common Cause Failures, presentation by H. VanderMolen, RES [Viewgraphs]

- 4 Proposed Final Source Term Rule and Associated Draft Regulatory Guide and Standard Review Plan
 6. Implementation of Alternative Source Term at Operating Reactors, presentation by S. LaVie, NRR [Viewgraphs]
 7. Implementation of Alternative Source Term at Operating Reactors, Status of Pilot Plant Programs, presentation by J. Lee, NRR [Viewgraphs]

- 5 Proposed Revision to Regulatory Guide 1.78 (DG-1087), "Evaluating the Habitability of a Nuclear Power Plant Control Room During a Postulated Hazardous Chemical Release"
 8. Revision to Regulatory Guide 1.78, Evaluation of Control Room Habitability During a Hazardous Chemical Release, presentation by S. Basu, RES [Viewgraphs]

- 10 Application of the Electric Power Research Institute (EPRI) Risk-Informed Methods to Inservice Inspection of Piping
 9. EPRI Methodology for Risk-Informed Inservice Inspection Programs for Piping, presentation by NRR [Viewgraphs]
 10. EPRI Risk Informed - ISI Program to ACRS, presentation by EPRI [Viewgraphs]

- 11 Proposed Guidance for Using Risk Information in the Review of Licensing Actions
 11. NRR Staff Presentation to the ACRS, presentation by R. Palla [Viewgraphs]

- 12 Proposed Final Revision 3 to Regulatory Guide 1.105, "Instrument Setpoints for Safety Systems"
 12. Regulatory Guide 1.105, Revision 3, "Setpoints for Safety-Related Instrumentation, presentation by RES [Viewgraphs]
 13. Comments on Proposed Regulatory Guide 1.105, Revision 3, presentation by F. Burrows, NMSS [Viewgraphs]
 14. Comments on Proposed Regulatory Guide 1.105, Revision 3, presentation by F. Burrows, NMSS [Handout]
 15. Westinghouse Electric Company Comments on Regulatory Guide 1.105 Revision 3, Setpoints for Safety-Related Instrumentation, presentation by Westinghouse [Viewgraphs]

- 13 Office of Nuclear Regulatory Research (RES) Self-Assessment Program
 16. Research Self Assessment, presentation by A. Thadani [Viewgraphs]
 17. Prioritization, presentation by RES [Viewgraphs]
 18. Acceptance Criteria for High Burn Up Fuel, presentation by RES [Viewgraphs]
 19. Division of Risk Analysis and Applications, Office of Nuclear Regulatory Research, presentation by T. King [Viewgraphs]
 20. Revise PTS Rule (10 CFR 50.61), presentation by J. Craig [Viewgraphs]
 21. Acceptance Criteria for High Burn Up Fuel, presentation by E. Rossi [Viewgraphs]

- 17 Report of the Planning and Procedures Subcommittee
 22. Final Draft Minutes of Planning and Procedures Subcommittee Meeting - XX, 1998 [Handout #17.1]

- 18 Future ACRS Activities
 23. Future ACRS Activities - 465th ACRS Meeting, September 30-October 1, 1998 [Handout #]

- 19 Reconciliation of ACRS Comments and Recommendations
24. Reconciliation of ACRS Comments and Recommendations [Handout #19-1]

MEETING NOTEBOOK CONTENTS

- | <u>TAB</u> | <u>DOCUMENTS</u> |
|------------|---|
| 2 | <u>Safety Evaluation Report Related to the Oconee Nuclear Power Plant License Renewal Application</u> <ol style="list-style-type: none">1. Table of Contents2. Proposed Schedule3. Status Report dated September 1, 19996. Safety Evaluation Report related to the license renewal of Oconee Nuclear Station Units 1, 2, and 3, Chapter 1, "Introduction and General Discussion," issued June 1999 |
| 3 | <u>Proposed Resolution of Generic Safety Issue-145, "Actions to Reduce Common Cause Failures"</u> <ol style="list-style-type: none">7. Table of Contents8. Proposed Schedule9. Status Report dated September 1, 199910. Memorandum to John T. Larkins, Executive Director, ACRS, from Charles E. Rossi, Director, Division of Systems Analysis and Regulatory Effectiveness, Office of Nuclear Regulatory Research, Subject: Proposed Resolution of Generic Safety Issue 145, "Actions to Reduce Common Cause Failures," dated July 30, 199911. NRC Administrative Letter 98-04, "Availability of Common-Cause Failure Database," dated July 30, 1998 |
| 4 | <u>Proposed Final Source Term Rule and Associated Draft Regulatory Guide and Standard Review Plan Section</u> <ol style="list-style-type: none">12. Table of Contents13. Presentation Schedule14. Project Status Report dated September 1, 199915. Excerpt from Working Copy of Minutes of August 9-10, 1999 Severe Accident Management Subcommittee Meeting (Draft Copy-Internal Committee Use)16. ACRS Letter to S. A. Jackson, Chairman from R. L. Seale, ACRS Chairman, Subject: Proposed Rule on Use of Alternative Source Term at Operating Reactors, dated November 18, 199917. Letter from W. Travers, EDO, to R. L. Seale, ACRS, Subject: Proposed Rule on Use of Alternative Source Term at Operating Reactors, dated December 11, 199818. Memorandum to J. T. Larkins, ACRS, from G. M. Holahan, NRR, Transmitting Proposed Final Rule, Draft Regulatory Guide, and Standard |

- Review Plan Section Regarding Use of Alternative Source Term at Operating Reactors
- 19. Public Comments Received on Proposed Rule, Use of Alternative Source Term at Operating Reactors
- 5 Proposed Revision to Regulatory Guide 1.78 (DG-1087). "Evaluating the Habitability of a Nuclear Power Plant Control Room During a Postulated Hazardous Chemical Release"
 - 20. Table of Contents
 - 21. Presentation Schedule
 - 22. Project Status Report dated September 1, 1999
 - 23. Excerpt from Working Copy of Minutes of August 9-10, 1999 Severe Accident Management Subcommittee Meeting (Draft Copy - Internal Committee Use)
 - 24. ACRS Letter to J. M. Taylor, EDO, from T. S. Kress, ACRS, Chairman, Subject: Resolution of Generic Safety Issue 83, "Control Room Habitability," dated July 20, 1995
 - 25. Memorandum to J. T. Larkins, ACRS, from C. E. Rossi, RES, Transmitting Draft Regulatory Guide, DG-1087 (Proposed Revision 1 to Regulatory Guide 1.78), dated July 28, 1999
- 6 ACRS Plans for Reviewing the RETRAN-3D Thermal-Hydraulic Transient Analysis Code
 - 26. Table of Contents
 - 27. Project Status Report dated September 1, 1999
 - 28. G. Wallis's Questions Regarding ACRS Review of EPRI RETRAN-3D Thermal-Hydraulic Transient Analysis Code
 - 29. P. Boehner's draft Minutes for 464th ACRS Meeting, Excerpt on Committee Discussion of EPRI RETRAN-3D Thermal-Hydraulic Transient Analysis Code, dated July 15, 1999 (Draft Predecisional)
 - 30. Slides Prepared by G. Wallis for ACRS Meeting on July 14, 1999 Concerning the RETRAN Review
 - 31. Office of Nuclear Reactor Regulation, Request for Additional Information, EPRI Topical Report NP-7450, RETRAN-3D, Project Number 669
- 10 Application of the Electric Power Research Institute (EPRI) Risk-Informed Methods to Inservice Inspection of Piping
 - 32. Table of Contents
 - 33. Proposed Schedule
 - 34. Status Report dated September 2, 1999
 - 35. Letter dated July 13, 1999 from Jeff Mitmann, EPRI, to Mike Markley, ACRS

- Staff, Subject: EPRI Risk-Informed In-Service Inspection Procedure Discussion, Reference Project #669
36. Memorandum dated August 12, 1999, from William H. Bateman and Richard J. Barrett, NRR, to John T. Larkins, Executive Director, ACRS, Subject: Safety Evaluation Report Related to EPRI Risk-Informed Inservice Inspection Evaluation Procedure (EPRI TR-112657, Revision B, July 1999)
11. Proposed Guidance for Using Risk Information in the Review of Licensing Actions
37. Proposed Schedule
38. Status Report dated September 2, 1999
39. Memorandum dated August 13, 1999, from Gary M. Holahan (NRR/DSSA) to John T. Larkins (ACRS), Subject: "Draft SECY Regarding Proposed Guidelines for Applying Risk-Informed Decisionmaking in License Amendment Reviews"
12. Proposed Final Revision 3 to Regulatory Guide 1.105, "Instrument Setpoints for Safety Systems"
40. Table of Contents
41. Proposed Schedule
42. Status Report dated September 2, 1999
43. Memorandum to John T. Larkins, Executive Director, ACRS, from Ashok C. Thadani, Director, Office of Nuclear Regulatory Research, Subject: Proposed Final Revision 3 to Regulatory Guide 1.105, "Setpoints for Safety-Related Instrumentation," dated July 30, 1999
44. ANSI/ISA-S67.04-Part I-1994, "Setpoints for Nuclear Safety-Related Instrumentation," dated August 1995
45. Memorandum to Samuel J. Collins, Director, Office of Nuclear Reactor Regulation, from William D. Travers, Executive Director for Operations, Subject: Differing Professional Opinion Regarding Allowable Values in Technical Specifications, dated February 16, 1999
13. Office of Nuclear Regulatory Research (RES) Self-Assessment Program
46. Table of Contents
47. Presentation Schedule
48. Status Report dated September 2, 1999