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DECEMBER 7-8, 1995

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APPENDICES

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3/9/96

MINUTES OF THE FOUR HUNDRED TWENTY-SEVENTH MEETING OF THE
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
DECEMBER 7-8, 1995
ROCKVILLE, MARYLAND

The 427th meeting of the Advisory Committee on Reactor Safeguards was held at Conference Room 2B3, Two White Flint North Building, Rockville, Maryland, on December 7-8, 1995. The purpose of this meeting was to discuss and take appropriate action on the items listed in the attached agenda. The meeting was open to public attendance. There were no written statements nor requests for time to make oral statements from members of the public regarding the meeting.

A transcript of selected portions of the meeting was kept and is available in the NRC Public Document Room at the Gelman Building, 2120 L Street, N.W., Washington, D.C. [Copies of the transcript are available for purchase from Neal R. Gross and Co., Inc., 1323 Rhode Island Avenue, N.W., Washington, D.C. 20005.]

ATTENDEES

ACRS Members: Dr. Thomas S. Kress (Chairman), Dr. Robert L. Seale (Vice-Chairman), Dr. George Apostolakis, Mr. James C. Carroll, Dr. Ivan Catton, Dr. Mario H. Fontana, Mr. William J. Lindblad, Dr. Don W. Miller, Dr. Dana A. Powers, Dr. William J. Shack, and Mr. Charles J. Wylie. [For a list of other attendees, see Appendix III.]

I. CHAIRMAN'S REPORT (Open)

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

Dr. Kress, ACRS Chairman, convened the meeting at 8:30 a.m. and reviewed the schedule for the meeting. He announced the following:

- Two additions to the ACRS technical staff: Michael Markley, introduced at this meeting; and Amarjit Singh, who will be introduced at the February meeting.
- A letter from Admiral DeMars announcing the initial sea trials of the new attack submarine, and a book on the Naval propulsion program.
- A copy of COMM-SECY-95033, which is of interest to the Committee because it discusses the Committee's position on the \$2,000 per man-rem value for doing regulatory analysis.
- The visit by Chairman Jackson to the Committee on December 8, 1995 and the list of priority items for discussion sent to the Commission.

- A letter from Chairman Jackson to James Taylor on probabilistic risk analysis and digital instrumentation and control.
- Two articles of interest in Nuclear News
 - Article on health effects of low-level radiation
 - Interview with Shirley Jackson
- The schedule for the group photograph and Christmas lunch.

II. Proposed Final Generic Letter on Testing of Safety-Related Logic Circuits (Open)

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

Introduction

Dr. Miller, Chairman of the Computers in Nuclear Power Plant Operations Subcommittee, introduced the topic to the Committee by noting that the staff had developed the proposed final Generic Letter in response to observed deficiencies in licensee surveillance procedures for testing safety-related logic circuits. He also noted that the Generic Letter had been revised in response to public comments.

NRR Presentation

Bruce Boger, Director, Division of Reactor Controls and Human Factors (DRCH), introduced the NRR staff. Jared Wermiel, Chief, Instrumentation and Controls Branch (HICB), DRCH, provided supporting discussion for Hukam Garg, who led the discussion. Glenn Kelly, Lead Project Manager, Division of Reactor Projects, also participated.

Mr. Garg provided an overview discussion of the proposed final Generic Letter including the background, regulatory bases, public comments, and resolution. Significant points made during the discussion were:

- Purpose: Notify licensees of problems with testing safety-related logic circuits, request implementation of corrective actions, and ensure licensee compliance with the requirements of existing technical specifications.
- Requested Actions: Licensees to compare electrical drawing and logic diagrams for reactor protection, emergency diesel generator load shedding and sequencing, and actuation logic for engineered safety feature systems

against plant surveillance test procedures for agreement with plant technical specification requirements; and modify procedures, as required, to comply with technical specifications or obtain an amendment.

- Implementation Schedule: Complete requested actions by startup from first refueling outage commencing one year after issuance of Generic Letter.
- Comment Resolution: Clarified wording on the staff's view that the proposed Generic Letter is a "compliance backfit" and not an imposition of new requirements; revised implementation schedule to provide expanded response time; clarified staff view on operability determinations for case-by-case enforcement discretion; and stated agreement to participate in an industry-sponsored workshop.

Messrs. Carroll and Lindblad questioned the need for the proposed Generic Letter. They noted that the industry organizations made some good arguments with regard to the proposed final Generic Letter's apparent departure from risk-informed and performance-based regulation and their assertion that it was not needed. Mr. Carroll questioned whether any safety functions had been lost during events where logic circuit testing was a problem. Messrs. Carroll and Lindblad also questioned how the NRC staff determined that the industry was not getting the message and whether they had discussed these issues with industry organizations to assess other options prior to developing the proposed Generic Letter. They expressed the belief that the industry would not perform a uniform review, in part, due to the differences in each plant's technical specifications. They suggested that working with the industry might get the problem solved equally well. Mr. Lindblad expressed the belief that plant events and incidents from personnel errors would continue, and that the Generic Letter would have a marginal benefit to safety. Messrs. Carroll and Lindblad also questioned whether the resource estimate was realistic and suggested that it would be low for most utilities. They questioned whether it was prudent to require plants with good operating experience to complete such extensive reviews and suggested that their resources could be better used on other problems, such as strainer clogging.

Dr. Kress questioned how much time would normally be expected for licensees to respond to and achieve improvement from an Information Notice before further action was warranted. He expressed concern over the difficulty in pinpointing the extent of the deficiencies and uncertainties regarding the number of plants that may have problems. He acknowledged the benefits of industry participation but stated that a shared solution might also have resulted in a Generic Letter.

Dr. Miller expressed the belief that the Generic Letter was necessary. His concerns regarding the timing for required actions were adequately addressed in the resolution of public comments. He agreed that the scope was consistent with regulatory requirements per 10 CFR 50.36 (c)(3), Technical Specifications.

The NRC staff reiterated their view that the proposed final Generic Letter requested verification of compliance with technical specifications and did not represent new requirements or an increase in scope. They acknowledged that they could have solicited industry participation before developing the Generic Letter. However, they viewed it as a compliance issue and did not believe a workshop or other effort would replace the need for the Generic Letter. They also acknowledged that there would be some variance in the uniformity of licensee implementation but asserted that some reduction in the number of events and incidents should occur.

Nuclear Energy Institute Presentation

Biff Bradley, Nuclear Energy Institute (NEI), stated that the issue of testing safety-related logic circuits could be effectively addressed without the need for the Generic Letter. He offered to work with the staff and assist in organizing an industry workshop or other appropriate venue to address the issues. He acknowledged Dr. Kress' observation that the end result of a participatory effort might still be a Generic Letter. However, he also stated that it might produce a better final product.

The Committee extensively discussed the need for the staff to address the issues associated with testing safety-related logic circuits in a comprehensive manner. However, they expressed the belief that the issue could be more appropriately addressed by existing NRC inspection programs. The Committee noted that NEI had offered to work with the NRC staff and industry in developing a more effective means of ensuring compliance with requirements for testing safety-related logic circuits. Drs. Shack and Kress provided additional comments expressing the view that the actions required by the proposed final Generic Letter were appropriate and that the Generic Letter should be issued.

Conclusions

The Committee issued a letter to Mr. Taylor, dated December 13, 1995. In this letter, the Committee did not support issuance of the proposed final Generic Letter.

III. Multiple System Responses Program (MSRP) (Open)

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

Introduction

Mr. Wylie, Cognizant ACRS Member, introduced this matter to the Committee. He noted that the MSRP has been extant since 1986, when the staff initiated same, in response to ACRS concerns over potential "hidden" safety issues for system interactions. The Committee has discussed this issue several times, most recently in March 1994. The NRC staff "resolved" the MSRP in August 1995.

Mr. Wylie also noted that in September 1995, ACRS Fellow August Cronenberg was asked to review the MSRP to determine if the Committee's concerns had been addressed. Dr. Cronenberg's reports on this matter, which have been sent to the Committee Members and cognizant NRC staff, were the topic of discussion, with representatives of the NRC staff adding their views as appropriate.

Presentation by A. Cronenberg

Dr. Cronenberg provided an overview of the MSRP issues and their resolution via the individual plant examinations (IPEs) for external events (IPEEE) process. He noted the following points:

- In reviewing the chronology of this matter, he noted that 21 issues were identified by the staff, stemming from the six Unresolved Safety Issues that were believed germane to the issue of "systems interactions."
- The staff has closed out the MSRP by declaring that all 21 issues have been/will be addressed in the IPE/IPEEE process or via the generic issue resolution process.
- A sampling of selected IPEs/IPEEEs by Dr. Cronenberg led him to conclude that all MSRP issues appear to have been addressed, to some degree; many of the issues, however, were addressed in a cursory manner.

There was extensive Committee discussion on the programmatic resolution of the 21 identified MSRP issues via the larger issue of capturing the technical safety issues associated with system interactions. There was a general consensus that the ACRS should pursue this matter further with the staff.

NRC Staff Presentation

Ronald Emrit, RES, made a brief presentation, the point of which was that the goal of the report on the MSRP was to prioritize the issues, not to address the resolution of each specific concern.

Mary Drouin, RES, discussed the staff's review process for the IPEs/IPEEEs vis-à-vis the resolution of the MSRP concerns. Ms. Drouin discussed the objectives of the NRC review of the IPE/-IPEEEs, and pointed out that the staff review focuses on the completeness of the submittal and the reasonableness of the results. In response to Mr. Wylie, Ms. Drouin indicated that the staff did not issue any guidance to licensees relative to evaluation of systems interactions. Rather, NRC has included this topic as part of its review process. Ms. Drouin also noted that, in many instances, licensees identify and fix a vulnerability before they submit the IPE/IPEEE report (these items are identified in the licensee's report). For those issues not readily amenable to a fix, the vulnerability is identified in the report along with a proposed fix (a number of licensees have done this for the issue of internal flooding).

RES plans to issue letter reports on the results of the IPE and IPEEE reviews related to the MSRP issues in June and December 1996, respectively.

Mr. Wylie indicated that the Committee will pursue this matter further and that a letter report discussing ACRS concerns appears to be necessary. Mr. Lindblad said that the Committee seems to have two concerns: (1) whether the specific issues related to systems interactions are being adequately addressed, and (2) whether the 21 MSRP issues are being adequately addressed.

Conclusion

The Committee deferred action on this matter, primarily due to a lack of time. Dr. Cronenberg was asked to examine the MSRP issues, vis-à-vis their treatment in a plant-specific PRA. A draft letter on this matter will be considered during the February 1996 ACRS Meeting.

IV. Meeting with the Director, Office of Nuclear Reactor Regulation (NRR) (Open)

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

Introduction

Dr. Kress, ACRS Chairman, stated that it was a pleasure to have William Russell, Director, Office of Nuclear Reactor Regulation, discuss items of mutual interest such as risk-based and performance-based regulation.

William Russell's Presentation

Mr. Russell indicated that he would discuss five items, beginning with the Westinghouse AP-600 review. In recent discussions with Westinghouse regarding the design certification review of the AP-600, the NRC staff estimated the cost of completing the review through the Final Safety Evaluation Report to be between \$11 and \$12 million.

Westinghouse indicated that due to funding uncertainties, it would be unable to fully fund such an effort for this fiscal year. Westinghouse, however, requested that NRC, including the ACRS, continue to review the following:

- Code and testing issues
- Regulatory treatment of nonsafety-related systems
- Some severe accident performance issues
- Instrumentation and control issues
- Emergency safety features
- Several pilot ITAACs (Inspections, Tests, Analyses, and Acceptance Criteria)

The staff review effort in other areas has been halted, but was documented for future resumption. The draft safety evaluation report (SER) supplement on the testing program and codes will be completed in Fiscal Year 1996. Currently, there is no schedule for review completion.

The second item for discussion was the Simplified Boiling Water Reactor (SBWR) review. Testing sponsored by General Electric (GE) is continuing into early 1996. The NRC staff evaluation of test data and issue resolution, and review of the TRACG code, is ongoing. The SER for the test and analysis program is expected to be completed by spring 1996. GE will decide on design review restart in March 1996.

The American Society of Mechanical Engineers (ASME) piping design code changes were the third item discussed. The ASME code proposed a new approach to piping design with some revisions to Section III (1994 Addenda). The NRC staff believes that the new approach significantly relaxes design-allowable stress limits for dynamic loads such as earthquake loads. The staff has opposed the new changes due to unresolved technical concerns. As a result, ASME

established a special Working Group to reexamine the new changes and consider additional technical data. The new rules were proposed for use on an advanced reactor such as AP-600, but it has been withdrawn. Currently, there are no prospective users. The NRC staff assigned a relatively low priority to this item.

The fourth item was the management of generic activities. As part of an initiative to improve management of generic activities within NRR, a process has been developed to assess the safety significance of emerging generic issues from all sources to provide integrated project management oversight and documentation of the resolution of these generic activities. The NRC Office responsibilities are as follows:

- NRR - Short-term, reactor-related issues (usually compliance); implement short-term actions, evaluate daily operational events, and analyze weekly events
- RES - Long-term generic issues, primarily safety enhancements; NRC repository for generic issues, prioritization, and resolution of generic issues
- NMSS - Operating experience evaluation and follow-up in the areas of medical, health physics, fuel, and waste
- AEOD - Operating experience collection, review, and evaluation; development of trends and pattern analyses for issues of a generic nature.

The sources of information for generic activities include operating experience (U.S. and foreign), technical reviews, inspection findings, research results, NRC staff, ACRS, industry (licensees, INPO, owners' groups), and the public (2.206, allegations). NRR has just distributed a report to the public on the major generic issues to facilitate communications with the nuclear industry. The report includes the following types of activities:

- Generic activities anticipated to require sufficient staff resources to warrant development of a task action plan (the draft includes 21 issues),
- Generic communications under development relating to reactors,
- Other generic compliance activities (where a generic communication is not presently planned and the issue is of lessor significance/complexity than an activity covered by an action plan).

The plan for next year is to revise and complete the procedures to reflect the integrated generic issue process and to update the current NUREG-0933 electronic data base. In addition, the staff is proposing periodic meetings with ACRS to discuss generic communication and compliance activities.

The fifth item addressed the PRA implementation plan, its pilot applications, and the development of guidance. Mr. Russell stated that the PRA policy statement has been issued and a PRA implementation plan is in place. The framework for regulatory activities is underway. The five regulatory applications under review are motor-operator valve testing, in-service testing, in-service inspection (ISI), technical specifications, and graded quality assurance. The staff has completed 29 safety evaluation reports regarding IPEs and is conducting several IPEEEs. Other reviews include South Texas technical specification changes, Advanced Boiling Water Reactor (ABWR) PRA, and the emergency diesel generator study (NUREG/CR 5994).

The staff is proposing parallel development of the Standard Review Plan (SRP) and Regulatory Guide (RG) with pilot applications. The NRC Chairman has requested the completion of the SRP and the RG within two years. The NRC office directors (NRR/RES/AEOD) will meet in December 1995, to review the overall plan and schedule. The staff expects significant interaction with the ACRS regarding this matter. There is also a major international project to exchange information and criteria for review of PRAs at a meeting in June 1997. The proposed topics for this special meeting would be the review procedures and criteria for different regulatory applications of PRA such as:

- Configuration control during operation and maintenance
- Relaxation of regulatory requirements with regard to ISI and testing
- Demonstration of adequate safety level of plants designed to earlier safety standards

Other related staff PRA efforts are increased training, increased staffing, the senior reactor (analysis) program, the reliability data rule, and IPE insights.

CONCLUSIONS

This briefing was for information only.

V. MEETING WITH THE NRC CHAIRMAN (Open)

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

Dr. Kress welcomed Dr. Shirley Ann Jackson, Chairman, NRC, and expressed the Committee's appreciation for her appearance before the Committee.

Chairman Jackson expressed her pleasure in being invited by the Committee. She acknowledged the valuable contribution of the Committee to the Commission in the resolution of numerous significant safety issues. Some of these issues are: establishing the design certification process for the ABWR and System 80+ designs, resolution of technical issues to both evolutionary and passive designs, thermal-hydraulic test programs for passive designs, technical areas associated with aging operating plants, and license renewal. Other issues are monitoring the safety of operating reactors with contributions on issues such as reactor pressure vessel annealing, digital instrumentation and control, and implementation of the maintenance rule.

Chairman Jackson also agreed on the ACRS priority items for the next two years.

Chairman Jackson noted that the NRC needs to be guided by a strategic vision that includes elements such as a firm health and safety basis in protecting the public. Such a vision will undergird the NRC regulatory approach and maintain an appropriate programmatic focus that influences resources planning. The NRC regulatory approaches might change; however, the core safety philosophy has not changed over the years; i.e., maintaining defense-in-depth and safety margins.

Chairman Jackson spoke of current efforts such as safety goals and philosophy, and strategic assessment and rebaselining to enhance the NRC regulatory effectiveness. The Chairman emphasized that consistency, both internally and externally, should be embodied in the regulations.

Dr. Kress expressed an interest in Chairman Jackson's views on performance-based regulation. She responded that she has asked the NRC staff to develop action plans in the areas of PRA and digital instrumentation and control (I&C). The Chairman had also requested the development of an SRP for use by the NRC staff in conducting reviews of industry-generated IPEs, IPEEEs, and PRAs for use in regulatory decision-making. In addition, the Chairman requested the staff to expeditiously develop another SRP for digital I&C to ensure that safety margins are addressed and available for use in reviewing licensees' changes in the installation of digital I&C.

The Chairman noted that she expects the completion of these two tasks in two years, including review by the ACRS.

Chairman Jackson noted that another area that merits ACRS consideration is the aging of operating plants (such issues as measurement of reactor vessel embrittlement and age-related degradation) and issues associated with license renewal.

The Chairman stated that the NRC should be more proactive in the international arena, and she proposed a focused international reactor research program that would involve aging issues and PRA. Dr. Catton added that fire protection was another problem area.

Dr. Fontana expressed a concern regarding the ability of the agency to maintain its technical capability in the face of reductions in national laboratory and other contract support. Chairman Jackson responded that these questions were being addressed as part of the strategic assessment and rebaselining efforts, as well as through resource planning.

In closing, the Chairman noted that she will be relying on the ACRS to provide independent technical advice on issues submitted by the staff as well as the industry to ensure regulatory effectiveness. Specifically, these include review of the SRPs for PRA and I&C as they are developed, involvement in monitoring aging issues, alerting the Commission on issues that could affect the safe operation of plants, providing input on the NRC research program areas (excluding budget), and generally assisting the Commission in continuing to function as a learning organization.

CONCLUSION

The Committee meets with the NRC Chairman periodically to discuss items of mutual interest.

VI. MEETING WITH THE NRC COMMISSIONERS (Open)

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

The Committee met with the NRC Commissioners on Friday, December 8, 1996, in the One White Flint North Building, Rockville, Maryland.

The NRC Commissioners were briefed by and held discussions with the Committee on the following topics:

- Proposed resolution of Generic Issue 78, "Monitoring of Fatigue Transient Limits for the Reactor Coolant System"

- The NEI petition for rulemaking to amend 29 CFR 50.48, "Fire Protection"
- Development of improved nondestructive examination techniques
- National Academy of Sciences/National Research Council study on "Digital Instrumentation and Control Systems in Nuclear Power Plants, Safety and Reliability Issues"
- Status report of IPES

[A transcript of that meeting is provided to the ACRS as the record for this portion of the meeting. The transcript is attached as Appendix VI.]

VII. EXECUTIVE SESSION (Open)

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

A. Letter

Proposed Final Generic Letter, "Testing of Safety-Related Logic Circuits" (Letter to James M. Taylor, Executive Director for Operations, NRC, from Robert L. Seale, ACRS Vice-Chairman, dated December 13, 1995)

B. Reconciliation of ACRS Comments and Recommendations

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

The Committee discussed the response from the NRC Executive Director for Operations to ACRS comments and recommendations included in recent ACRS reports:

EDO letter dated November 28, 1995, responding to the ACRS reports dated August 16, 1982 and November 8, 1995 concerning the Application for Operating License for Watts Bar Nuclear Plant Unit 1.

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

EDO letter dated November 15, 1995, responding to the ACRS report dated October 13, 1995, concerning Revision 1 to Regulatory Guide 1.152 "Criteria for Digital Computers in Safety Systems of Nuclear Power Plants."

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

EDO letter dated November 14, 1995, responding to the ACRS letter dated October 16, 1995, concerning the Fatigue Action Plan.

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

C. Report on the Meeting of the Planning and Procedures Subcommittee Held on December 6, 1995 (Open)

The Committee heard a report from Dr. Kress on the Planning and Procedures Subcommittee meeting held on December 6, 1995. The following items were discussed:

1. BUDGET IMPACT

The Appropriations Bill that covers FY1996 funding for the NRC was signed by the President on November 13, 1995. Therefore, the NRC should not be affected by any further budgetary negotiations this fiscal year.

2. INTERNATIONAL ACTIVITIES

- a) Dr. Birkhofer, of the RSK, is expected to visit the NRC December 7-8 and may request a meeting with ACRS. A meeting between the ACRS and the RSK may be proposed at that time. Dr. Birkhofer is expected to discuss this subject with Chairman Jackson during his visit.

Conclusion

The Subcommittee recommends that a bilateral meeting be held in Washington in 1996 if the RSK requests it.

- b) ACRS received a letter from the Secretary of the U.K. Advisory Committee on the Safety of Nuclear Installations (ACSNI), expressing an interest in a cooperative agreement with the ACRS.

Conclusion

The Subcommittee recommends that the ACRS expand its cooperative agreements to include the United Kingdom and that the ACRS staff contact the appropriate NRC offices to draft an agreement.

- c) If the ACRS is interested in a quadripartite meeting (possibly expanded to include the U.K.) scheduled by early FY97, planning for this meeting should begin now.

Conclusion

The Subcommittee recommends that such a meeting be planned for FY 1997. This is consistent with discussions during the last quadripartite meeting. It is likely that the Japanese will host this meeting.

- d) A meeting with the Canadian Advisory Committee on Nuclear Safety has been suggested to discuss performance-based vs. prescriptive regulation. Canadian regulations are generally performance-based but recent trending is toward more prescriptive regulation, while the U.S. is going in the opposite direction.

Conclusion

The Subcommittee recommends that the ACRS staff contact Professor J.T. Rogers, Chairman of the Canadian Advisory Committee, to determine their interest in such a meeting.

4) MEMBERS' ISSUES

- a) A memorandum by Mr. Carroll requested a letter from the NRC that clarifies the NRC policy regarding the space needed for working on ACRS matters and storing ACRS documents. A draft letter has been prepared.

Conclusion

Dr. Larkins has discussed this request with the Office of Administration and is awaiting their response.

- b) A draft letter has been prepared by Mr. Carroll to Chairman Jackson concerning the Inspector General issues raised earlier this year.

Conclusion

The draft letter will be discussed when the Full Committee prepares its reports to the Chairman.

- c) Mr. Carroll has suggested that the ACRS discuss taking a role in the debate on the health effects of low-level radiation. The ACNW is also interested in this subject, along with decommissioning and the NRC staff's approach

to spent fuel storage issues. The ACRS/ACNW Executive Director suggests that a joint ACRS/ACNW Working Group be established to review these issues and report to their respective Full Committees. This Joint Working Group could also handle a request from the Spent Fuel Project Office for a meeting with both ACRS and ACNW to discuss their current activities. The Staff Requirements Memorandum 95-249, dated November 29, 1995, on the subject of Risk Harmonization Issues and Recommendations requests a staff briefing on the progress and status of the risk harmonization effort in mid-1996.

Conclusion

The Subcommittee recommends that a Joint ACRS/ACNW Working Group be established and that the ACRS request that, after the NRC staff briefs the Commission on risk harmonization, the NRC staff brief the ACRS.

- d) Dr. Catton has requested reconsideration of the dates of the May and June meetings.

Conclusion

The Subcommittee will submit this request to the Full Committee.

- e) During last month's Planning and Procedures Subcommittee discussion, Mr. Lindblad raised a concern regarding the regular scheduling of meetings by the ad hoc Advisory Panel. As a follow-up to that discussion, Dr. Larkins spoke with Mr. James M. Taylor, EDO, and it was agreed that there would be one more meeting of the Advisory Panel, after which the meetings would be on an as-requested basis.
- f) Dr. Seale raised the issue of ACRS review of a proposed Supplement 1 to Generic Letter 83-11 concerning licensee qualification for performing safety analyses.

Conclusion

The Subcommittee recommends that the Full Committee discuss this issue.

- g) Mr. Carroll suggested that the ACRS may wish to discuss the status of severe accident management activities. He also asked whether a recent 2.206 petition concerning the distribution of potassium iodide should be discussed by the Committee.

Conclusion

It was noted that arrangements are being made to schedule a meeting of the Severe Accidents Subcommittee, during which severe accident management activities will be discussed.

The Subcommittee recommends that the Full Committee decide on the need to review the 2.206 petition concerning the distribution of potassium iodide.

5) ELECTION OF OFFICERS

The following members have declined consideration for election as ACRS officers for CY 1996:

W. J. Lindblad - Chairman and Vice-Chairman
J. C. Carroll - Chairman, Vice-Chairman, Member-at-Large
C. J. Wylie - Chairman, Vice-Chairman, Member-at-Large

D. Future Meeting Agenda

Appendix IV summarizes the proposed items endorsed by the Committee for the 428th ACRS Meeting, February 8-10, 1995.

The 427th ACRS meeting was adjourned at 6:10 p.m. on Friday, December 8, 1995.

90). Persons planning to attend this meeting are urged to contact the above-named individual(s) one or two working days prior to the meeting to be advised of any potential changes in the proposed agenda, etc., that may have occurred.

Dated: November 13, 1995.

Sam Duralewsky,

Chief, Nuclear Reactors Branch.

[FR Doc. 95-28829 Filed 11-24-95; 8:45 am]

BILLING CODE 7550-01-P

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 December 6, 1995, 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 matters the release of which would constitute a clearly unwarranted invasion of personal privacy.

The agenda for the subject meeting shall be as follows:

Wednesday, December 6, 1995—2:00 P.M. until the conclusion of business.

The Subcommittee will discuss proposed ACRS activities and related matters. 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 cancelled 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. (EST). 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: November 13, 1995.

Sam Duralewsky,

Chief, Nuclear Reactors Branch.

[FR Doc. 95-28830 Filed 11-24-95; 8:45 am]

BILLING CODE 7550-01-P

Advisory Committee on Reactor Safeguards Joint Meeting of the Subcommittee on Individual Plant Examinations/Probabilistic Risk Assessment; Notice of Meeting

The ACRS Subcommittee on Individual Plant Examinations (IPEs) and on Probabilistic Risk Assessment (PRA) will hold a joint meeting on December 14 and 15, 1995, in Room T-2B3, 11545 Rockville Pike, Rockville, Maryland.

The meeting will be open to public attendance.

The agenda for the subject meeting shall be as follows:

Thursday, December 14, 1995—8:30 a.m. until the conclusion of business.

Friday, December 15, 1995—8:30 a.m. until the conclusion of business.

The Subcommittee will continue to discuss topics related to Risk Based Regulatory Applications (RBRA), including identification of the models, analysis and regulatory issues that are currently amenable to risk based regulatory approach, and other related matters. 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, their consultants, and staff. Persons desiring to make oral statements should notify the cognizant ACRS staff engineer named below five days prior to the meeting, if possible, so that appropriate arrangements can be made.

During the initial portion of the meeting, the Subcommittees, along with any of their consultants who may be present, may exchange preliminary

views regarding matters to be considered during the balance of the meeting.

The Subcommittees will then hear presentations by and hold discussions with representatives of the NRC staff, its consultants, and other interested persons regarding this review.

Further information regarding topics to be discussed, whether the meeting has been cancelled 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 engineer, Dr. Medhat El-Zakwiy (telephone 301/415-6899) between 7:30 a.m. and 4:15 p.m. (EST). Persons planning to attend this meeting are urged to contact the above named individual one or two working days prior to the meeting to be advised of any potential changes in the proposed agenda, etc., that may have occurred.

Dated: November 13, 1995.

Sam Duralewsky,

Chief Nuclear Reactors Branch.

[FR Doc. 95-28831 Filed 11-24-95; 8:45 am]

BILLING CODE 7550-01-P

Advisory Committee on Reactor Safeguards; Meeting

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 December 7-8, 1995, in Conference Room T-2B3, 11545 Rockville Pike, Rockville, Maryland. The date of this meeting was previously published in the Federal Register on Tuesday, August 22, 1995 (60 FR 43619).

Thursday, December 7, 1995

8:30 A.M.—8:45 A.M.: Opening Remarks by the ACRS Chairman (Open)—The ACRS Chairman will make opening remarks regarding conduct of the meeting and comment briefly regarding items of current interest. During this session, the Committee will discuss priorities for preparation of ACRS reports.

8:45 A.M.—10:15 A.M.: Proposed Final Generic Letter on Inadequate Testing of Safety-Related Logic Circuits (Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the proposed final Generic Letter on Inadequate Testing of Safety-Related Logic Circuits.

Representatives of the industry will participate, as appropriate.

10:30 A.M.—12:00 Noon: Multiple System Responses Program (MSRP)

(Open)—The Committee will hear presentations by and hold discussions with representatives of the NRC staff regarding the resolution of the MSRP issues.

1:30 P.M.-3:00 P.M.: Meeting with the Director of the Office of Nuclear Reactor Regulation (NRR) (Open)—The Committee will hear presentations by and hold discussions with Mr. William Russell, NRR Director, on items of mutual interest, including the following: Risk/Performance-Based Regulations, Risk-Based Inspection Program, Activities of the Nuclear Industry in Support of the Risk/Performance-Based Regulations, AP600 and SBWR review status, and ASME piping code review.

3:00 P.M.-3:30 P.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 staff members.

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 matters the release of which would constitute a clearly unwarranted invasion of personal privacy.

3:45 P.M.-4:15 P.M.: Future ACRS Activities (Open)—The Committee will discuss recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the full Committee during future meetings.

4:15 P.M.-4:30 P.M.: Reconciliation of ACRS Comments and Recommendations (Open)—The Committee will discuss responses of the NRC Executive Director for Operations (EDO) to comments and recommendations included in recent ACRS reports. These responses are expected to be received from the EDO before the meeting.

4:30 P.M.-6:45 P.M.: Preparation of ACRS Reports (Open)—The Committee will discuss proposed ACRS reports on matters considered during this meeting as well as a proposed ACRS report on resolution of Generic Safety Issue-78, "Monitoring of Fatigue Transient Limits for the Reactor Coolant System".

Friday, December 8, 1995

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

8:35 A.M.-9:15 A.M.: Preparation of ACRS Reports (Open)—The Committee

will continue its discussion of proposed ACRS reports on matters considered during this meeting.

9:30 A.M.-10:00 A.M.: Preparation for Meeting with the NRC Chairman (Open)—The Committee will select items that may be discussed with the NRC Chairman.

10:00 A.M.-11:00 A.M.: Meeting with the NRC Chairman (Open)—The Chairman will meet with the Committee to discuss her regulatory agenda and philosophy, and other items of mutual interest.

11:15 A.M.-12:15 P.M.: Preparation for Meeting with the NRC Commissioners (Open)—The Committee will prepare for meeting with the NRC Commissioners to discuss items of mutual interest including, Rulemaking to amend 10 CFR 50.48, Fire Protection, Nondestructive Examination Techniques, and National Academy of Sciences/National Research Council Study on Digital Instrumentation and Control.

1:30 P.M.-3:00 P.M.: Meeting with the NRC Commissioners (Open)—The Committee will meet with the NRC Commissioners in the Commissioners' Conference Room, One White Flint North, to discuss items of mutual interest including those noted above.

3:15 P.M.-3:45 P.M.: Election of Officers for Calendar Year 1996 (Open)—The Committee will elect Chairman and Vice Chairman to the ACRS, and Member-at-Large to the Planning and Procedures Subcommittee for Calendar Year 1996.

3:45 P.M.-5:30 P.M.: Preparation of ACRS Reports (Open)—The Committee will continue its discussion of proposed ACRS reports on matters considered during this meeting.

Procedures for the conduct of and participation in ACRS meetings were published in the Federal Register on September 27, 1995 (60 FR 49925). In accordance with these procedures, oral or written statements may be presented by members of the public, 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, Chief, Nuclear Reactors Branch, at least five days before the meeting, if possible, so that appropriate arrangements can be made to allow the 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 the Chief of the Nuclear Reactors Branch prior to the meeting. In view of the possibility that the schedule for ACRS meetings may be adjusted by the Chairman as necessary to facilitate the conduct of the meeting, persons planning to attend should check with the Chief of the Nuclear Reactors Branch 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 portions 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 matters 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 cancelled 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, Chief, Nuclear Reactors Branch (telephone 301/415-7364), between 7:30 A.M. and 4:15 P.M. EST.

ACRS meeting notices, meeting transcripts, and letter reports are now available on FedWorld from the "NRC MAIN MENU." Direct Dial Access number to FedWorld is (800) 303-9672; the local direct dial number is 703-321-3339.

The ACRS meeting dates for Calendar Year 1996 are provided below:

ACRS meeting No.	1996 ACRS meeting dates
428	February 6-10, 1996
429	March 7-9, 1996
430	April 11-13, 1996
431	May 23-25, 1996
432	June 20-22, 1996
433	August 6-10, 1996
434	September 12-14, 1996
435	October 10-12, 1996
436	November 7-9, 1996
437	December 5-7, 1996

Dated: November 20, 1995.

Andrew L. Bates

Advisory Committee Management Officer

[PR Doc. 95-25836 Filed 11-24-95 8:45 am]

86394 CODE 7999-01-P



Appendix II

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

December 5, 1995 (Revised)

SCHEDULE AND OUTLINE FOR DISCUSSION
427th ACRS MEETING
DECEMBER 7-8, 1995

Thursday, December 7, 1995, 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 (TSK/SD)
1.2) Items of Current Interest
(TSK/JTL/SD)
1.3) Priorities for Preparation of ACRS
Reports (TSK/SD)

2) 8:45 - 10:¹⁰~~00~~ A.M.

Proposed Final Generic Letter on Testing
of Safety-Related Logic Circuits (Open)
(DWM/NFD/MTM)
2.1) Remarks by the Subcommittee Chairman
2.2) Briefing by and discussions with
representatives of the NRC staff
regarding the proposed final Generic
Letter on Testing of Safety-Related
Logic Circuits.

Representatives of the industry will
participate, as appropriate.

10:¹⁰~~00~~ - 10:30 A.M.

BREAK

3) 10:30 - 12:00 Noon

Multiple System Responses Program (MSRP)
(Open) (CJW/PAB)
3.1) Remarks by the Subcommittee Chairman
3.2) Briefing by and discussions with
representatives of the NRC staff
regarding the resolution of the MSRP
issues.

12:⁰⁵~~00~~ - 1:30 P.M.

LUNCH

4) 1:30 - 3:¹⁵~~00~~ P.M.

Meeting with the Director of the Office of
Nuclear Reactor Regulation (NRR) (Open)
(TSK/MME)
4.1) Remarks by the ACRS Chairman
4.2) Briefing by and discussions with
Mr. Russell, NRR Director, on items
of mutual interest, including the
following:

{ Transcribed portions of the meeting.

- Risk/Performance-Based Regulations
- Risk-Based Inspection Program
- Activities of the Nuclear industry in support of the risk/performance-based regulations
- AP600 and SBWR review status
- Staff evaluation of the 1994 Addenda to the ASME Code Section III, for Class 1, 2, and 3 Piping Systems

5) 3:¹⁵~~00~~ - 3:⁵~~30~~ P.M. *Break*
 3:35 - 4:36

Report of the Planning and Procedures Subcommittee (Open/Closed) (TSK/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 staff members.

[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 matters the release of which would constitute a clearly unwarranted invasion of personal privacy.]

6) 4:³⁶~~30~~ - 4:⁵⁰~~00~~ P.M.

Future ACRS Activities (Open) (TSK/SD)

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

Postponed to Dec. 8
 7) 4:00 - 4:15 P.M.
 12/8/95 3:25 - 3:27 P.M.

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

~~4:15 - 4:20 P.M.~~

BREAK

8) 4:⁵⁰~~30~~ - 5:⁰⁵~~45~~ P.M.

Preparation of ACRS Reports (Open)

Discussion of proposed ACRS reports on:

- 8.1) Resolution of Generic Safety Issue 78, "Monitoring of Fatigue Transient Limits for the Reactor Coolant System" (DAP/RLS/NFD)

- 8.2) Proposed Final Generic Letter on Testing of Safety-Related Logic Circuits (DWM/NFD/MTM)
- 8.3) Resolution of Multiple System Responses Program issues (CJW/PAB)

Friday, December 8, 1995, Conference Room 2B3, Two White Flint North, Rockville, Maryland

- 9) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman (Open)
(TSK/SD)
- 10) 8:35 - 9:²²~~35~~ A.M. Preparation of ACRS Reports (Open)
Discussion of proposed ACRS reports on:
 - 10.1) Proposed Final Generic Letter on Testing of Safety-Related Logic Circuits (DWM/NFD/MTM)
 - 10.2) Resolution of Multiple System Responses Program issues (CJW/PAB)
- 11) 9:²²~~35~~ - 9:⁴⁸~~45~~ A.M. Preparation for Meeting with the NRC Chairman (Open) (TSK/MME)
Discussion of topics for meeting with the NRC Chairman
- 9:4⁸~~5~~ - 10:0⁷~~0~~ A.M. BREAK
- 12) 10:0⁷~~0~~ - 11:00 A.M. Meeting with the NRC Chairman (Open)
(TSK/MME)
Meeting with the NRC Chairman to discuss the Chairman's regulatory agenda and philosophy.
- 11:00 - 11:²⁰~~15~~ A.M. BREAK
- 13) 11:²⁰~~15~~ - 12:15 P.M. Preparation for Meeting with the NRC Commissioners (Open) (TSK, et.al/MME)
Preparation for meeting with the NRC Commissioners to discuss the following items:
 - Resolution of Generic Safety Issue 78, Monitoring Fatigue Transient Limits for the Reactor Coolant System (DAP/RLS/NFD)
 - Rulemaking to amend 10 CFR 50.48, Fire Protection (IC/GA/NFD)

- Nondestructive Examination Techniques (RLS/NFD)
- NAS Study on Digital I&C (DWM/MTM)
- Regulatory Guide 1.152, Criteria for Digital Computers in Safety Systems of Nuclear Power Plants (DWM/MTM)
- Use of IPE in the Regulatory Process - Status Report (GA/MME)

12:15 - 1:15 P.M.

LUNCH

14) 1:30 - 3:00²⁵ P.M.

Meeting with the NRC Commissioners (Open)
(TSK, et.al/JTL, et.al)

Meeting with the NRC Commissioners in the Commissioners' Conference Room, One White Flint North, to discuss the matters identified under Item 13.

3:25 - 3:27
15) 3:25 - 3:45 P.M.
27

RECONCILIATION (See Item 7, p. 2)

Election of Officers for CY 1996 (Open)
(TSK/JTL/CAH)

Election of Chairman and Vice Chairman to the ACRS, and Member-at-Large for the Planning and Procedures Subcommittee.

6:10
16) 3:45 - 5:30 P.M.

Preparation of ACRS Reports (Open)

Discussion of proposed ACRS reports on:

16.1) Proposed Final Generic Letter on Testing of Safety-Related Logic Circuits (DWM/NFD/MTM)

16.2) Resolution of Multiple System Responses Program issues (CJW/PAB)

- 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

427TH ACRS MEETING
DECEMBER 7-8, 1995

NRC STAFF

December 7

J. Fair	NRR/DE
J. Wermiel	NRR/DRCH/HICB
G. Kelly	NRR/DRPW/PD33
B. Boger	NRR/DRCH
L. Soffer	EDO
R. Emrit	RES/DET/GSIB
M. Drouin	RES/DST/PRAB
J. Chen	RES/DST/PRAB
W. Hodges	RES/DST
C. Serpan	RES/DST
T. King	RES/DST
M. Vagins	RES/DET
T. Hsia	NRR/SPSB
M. Mayfield	RES/DET
W.T. Russell	NRR
M.N. Leach	NRR/DSSA
R.H. Bernhard	NRR/DSSA (RII, ORT)
C.M. Craig	NRR/DRPM
R. Borchards	NRR/DISP
L. Plisco	NRR/DISP
A. Chaffee	NRR/DRPM/PECB
D. Crutchfield	NRR/DRPM
E. Goddin	NRR/DRPM
M. Virgilio	NRR
B. Grimes	NRR

December 8, 1995

L. Soffer	EDO
S. West	NRR

ATTENDEES FROM OTHER AGENCIES AND GENERAL PUBLIC

December 7

A. Wyche	SERCH Licensing/Bechtel
B. Morgan	Winston/Strawn
P. Negus	GE
S. Katradis	NUS Corp/Licensing
B. Bradley	NEI
L. Connor	STS, Inc.
D.J. Fulford	LIS/NUS
L. Zerr	STS
M. Straul	Sciencetech
Boione	Sciencetech
R. Huston	TVA

December 8

A. MacKinney	NEI
W. Murphy	NEI
A. Wyche	SERCH Licensing/Bechtel
R. Huston	TVA

APPENDIX IV: FUTURE AGENDA

The Committee agreed to consider the following during the 428th ACRS Meeting, February 8-10, 1995:

Thursday, February 8, 1996, Conference Room 2B3, Two White Flint North, Rockville, Maryland

1) 8:30 - 8:45 A.M. Opening Remarks by the ACRS Chairman

- 1.1) Opening Statement (TSK/SD)
- 1.2) Items of Current Interest (TSK/JTL/SD)
- 1.3) Priorities for Preparation of ACRS Reports (TSK/SD)

2) 8:45 - 10:45 A.M. Adequacy of Individual Plant Examinations (IPES)

- 2.1) Remarks by the Subcommittee Chairman
- 2.2) Briefing by and discussions with representatives of the NRC staff regarding the adequacy of the IPES for regulatory applications.

Representatives of the nuclear industry will participate, as appropriate.

10:45 - 11:00 A.M. BREAK

3) 11:00 - 2:45 P.M. Recirculation Sump Strainer Clogging Events

- 3.1) Remarks by the Subcommittee Chairman
- 3.2) Briefing by and discussions with representatives of the NRC staff and BWR Owners Group regarding the recirculation sump strainer clogging events, including those that occurred at Barseback, Perry, and Limerick Nuclear Power Plants, and the associated regulatory actions.

(12:30 - 1:30 P.M. - LUNCH)

2:45 - 3:00 P.M. BREAK

4) 3:00 - 5:00 P.M. Westinghouse COBRA/TRAC Best-Estimate Thermal Hydraulic Code (Open/Closed)

- 4.1) Remarks by the Subcommittee Chairman
- 4.2) Briefing by and discussions with representatives of the Westinghouse Electric Corporation and the NRC staff regarding the Westinghouse COBRA/TRAC best-

estimate code to be used in support of the AP600 passive plant design certification.

[Note: A portion of this session may be closed to discuss Westinghouse proprietary information applicable to this matter.]

5:00 - 5:15 P.M. BREAK

5) 5:15 - 6:45 P.M. Preparation of ACRS Reports

Discussion of proposed ACRS reports on:

- 5.1) Annual ACRS Report to Congress on the NRC Safety Research Program
- 5.2) Regulatory Actions related to Recirculation Sump Strainer Clogging Events
- 5.3) Westinghouse COBRA/TRAC Best-Estimate Thermal Hydraulic Code
- 5.4) Resolution of Multiple System Responses Program (MSRP) issues
- 5.5) Adequacy of Individual Plant Examinations

Friday, February 9, 1996, Conference Room 2B3, Two White Flint North, Rockville, Maryland

6) 8:30 - 8:35 A.M. Opening Remarks by the ACRS Chairman

7) 8:35 - 10:00 A.M. Human Performance Program Plan

- 7.1) Remarks by the Subcommittee Chairman
- 7.2) Briefing by and discussions with representatives of the NRC staff regarding the Human Performance Program Plan developed by the staff to integrate all NRC activities in this area.

Representatives of the nuclear industry will participate, as appropriate.

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

8) 10:15 - 11:45 A.M. Implementation Guidance for License Renewal

- 8.1) Remarks by the Subcommittee Chairman
- 8.2) Briefing by and discussions with representatives of the NRC staff regarding updated implementation

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guidance for license renewal.

Representatives of the nuclear industry will participate, as appropriate.

- 9) 11:45 - 12:00 Noon Reconciliation of ACRS Comments and Recommendations

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

- 12:00 - 1:00 P.M. LUNCH

- 10) 1:00 - 2:30 P.M. Proposed Final Revision 2 to Regulatory Guide 1.149, Nuclear Power Plant Simulation Facilities for Use in Operator License Examinations

- 10.1) Remarks by the Subcommittee Chairman
10.2) Briefing by and discussions with representatives of the NRC staff regarding the proposed final Revision 2 to Regulatory Guide 1.149.

Representatives of the nuclear industry will participate, as appropriate.

- 11) 2:30 - 3:00 P.M. Report of the Planning and Procedures Subcommittee

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 staff members.

[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 matters the release of which would constitute a clearly unwarranted invasion of personal privacy.]

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

- 12) 3:15 - 3:45 P.M. Future ACRS Activities

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

13) 3:45 - 6:45 P.M. Preparation of ACRS Reports

Continue discussion of proposed ACRS reports on:

- 13.1) Annual ACRS Report to Congress on the NRC Safety Research Program
- 13.2) Regulatory Actions related to Recirculation Sump Strainer Clogging Events
- 13.3) Westinghouse COBRA/TRAC Best-Estimate Thermal Hydraulic Code
- 13.4) Resolution of Multiple System Responses Program (MSRP) issues
- 13.5) Adequacy of Individual Plant Examinations
- 13.6) Proposed Final Revision 2 to Regulatory Guide 1.149, Nuclear Power Plant Simulation Facilities for Use in Operator License Examinations

Saturday, February 10, 1996, Conference Room 2B3, Two White Flint North, Rockville, Maryland

14) 8:30 - 11:30 A.M. Preparation of ACRS Reports

Continue discussion of proposed ACRS reports identified under Item 13.

11:30 - 11:45 A.M. BREAK

15) 11:45 - 1:30 P.M. Strategic Planning

Discussion of items of significant importance to NRC, including rebaselining of the Committee activities for FY 96-97.

APPENDIX V
LIST OF DOCUMENTS PROVIDED TO THE COMMITTEE

[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. Introductory Statement of the ACRS Chairman, dated December 7, 1995.
2. Memorandum from John C. Hoyle, Secretary, to James M. Taylor, Executive Director for Operations, dated September 18, 1995: COMSECY-95-033 - Proposed Dollar per Person-Rem Conversion Factor; Response to SRM Concerning Issuance of Regulatory Analysis Guidelines of the U.S. Nuclear Regulatory Commission and SRM Concerning the Need for a Backfit Rule for materials Licensees (RES-950225) (WITS-9100294).
3. Article from Nuclear News, November, 1995: "An interview with Shirley Jackson, new NRC chair."
4. Article from Nuclear News, September, 1995: "The Health Effects of Low-Level Radiation."

2 Proposed Final Generic Letter on Testing of Safety-Related Logic Circuits

5. Memorandum from James M. Taylor, Executive Director for Operations, to the Commissioners, dated December 4, 1995: Proposed NRC Generic Letter 95-XX, "Testing of Safety-Related Logic Circuits."
6. Generic Letter 95-XX, Testing of Safety-Related Logic Circuits, dated December 7, 1995, presented by Hukam C. Garg. [Viewgraphs]
7. Memorandum from John T. Larkins, Executive Director, ACRS, to James M. Taylor, Executive Director for Operations, dated May 10, 1995: Proposed NRC Generic Letter Regarding Inadequate Testing of Safety-Related Logic Circuits.
8. Memorandum from Brian K. Grimes, NRR, to John T. Larkins, Executive Director, ACRS, dated April 21, 1995: Forwarding of Proposed NRC Generic Letter Regarding Inadequate Testing of Safety-Related Logic Circuits.

3 Multiple System Responses Program (MSRP)

9. Overview of MSRP Issues and IPE/IPEEE Process, dated December 7, 1995, Presented by August Cronenberg, Senior ACRS Fellow [Viewgraphs]
10. Multiple Systems Responses Program [Viewgraph]
11. IPE/IPEEE Review Process and MSRP Issues, presented by Mary Drouin, RES, dated December 7, 1995

4 Meeting with the Director of the Office of Nuclear Reactor Regulation (NRR)

12. ACRS Meeting: Discussion of Items of Mutual Interest, dated December 7, 1995, presented by William T. Russell, Director, NRR [Viewgraphs]
13. Draft Task Action Plans, pp. B-7, B-8 [Viewgraphs]

5 Report of the Planning and Procedures Subcommittee

14. Final Draft Minutes of Planning and Procedures Subcommittee Meeting - December 6, 1995 [Handout #5.1]

6 Future ACRS Activities

15. Future ACRS Activities - 428th ACRS Meeting, February 8-10, 1996 [Handout #6.1]

7 Reconciliation of ACRS Comments and Recommendations

16. Reconciliation of ACRS Comments and Recommendations [Handout #7.1]

11 Preparation for Meeting with NRC Commissioners

17. Memorandum from John T. Larkins, Executive Director, ACRS, to John C. Hoyle, Secretary of the Commission, dated December 8, 1995: Schedule/Background Information

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MEETING NOTEBOOK CONTENTS

TAB

DOCUMENTS

2. Proposed Final Generic Letter on Testing of Safety-Related Logic Circuits
 1. Table of Contents
 2. Agenda
 3. Project Status Report, dated December 7, 1995
 4. Memorandum from Frank J. Miraglia, Deputy Director, NRR, to Edward L. Jordan, Chairman, Committee to review Generic requirements, dated October 18, 1995
 5. NRC Generic Letter No. 95-XX: Testing of Safety-Related Logic Circuits, dated September XX, 1995
3. Multiple System Responses Program (MSRP)
 6. Table of Contents
 7. Tentative Agenda
 8. Status Report, dated December 7, 1995
 9. Memorandum from August W. Cronenberg, Senior ACRS Fellow, to ACRS Members and Staff, dated November 22, 1995
 10. Memorandum from Lawrence C. Shao, Director, Division of Engineering Technology, NRR, to David L. Morrison, Director, RES: Multiple System Responses Program - Final Report, dated August 2, 1995
4. Meeting with the Director of the Office of Nuclear Reactor Regulation (NRR)
 11. Table of Contents
 10. Tentative Agenda
 11. Status Report, dated December 7 1995
 12. Memorandum from John T. Larkins, Executive Director, ACRS, to William T. Russell, Director, NRR, dated November 28, 1995: ACRS Meeting with the Director of the Office of Nuclear Reactor Regulation, December 7, 1995, Rockville, Maryland
8. Preparation of ACRS Reports
 13. Table of Contents
 14. Status Report, dated December 7, 1995
 15. Draft Letter to James M. Taylor, EDO, dated November 15, 1995: Resolution of Generic Safety Issue 78, Monitoring Transient Limits for the Reactor Coolant System
 16. Memorandum from James M. Taylor, EDO, to the Commissioners, dated September 25, 1995: SECY-95-245: Completion of the Fatigue Action Plan.

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

Title: **MEETING WITH ADVISORY COMMITTEE ON
REACTOR SAFEGUARDS (ACRS) - PUBLIC
MEETING**

Location: **Rockville, Maryland**

Date: **Friday, December 8, 1995**

see NUPOCS AND: 9512200026

Pages: **1 - 61**

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