

PDR 3/25/94



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

November 10, 1993

MEMORANDUM TO: James M. Taylor
Executive Director for Operations

ATTN: James Blaha

FROM: John T. Larkins
Executive Director, ACRS

SUBJECT: 402ND ACRS MEETING FOLLOW-UP ITEMS

This memorandum is provided for follow-up action consistent with the Actions, Agreements, Requests, and Commitments made during the 402nd ACRS meeting, October 7-8, 1993.

John T. Larkins
Executive Director, ACRS

- cc w/attachment:
- E. L. Jordan, AEOD
- R. M. Bernero, NMSS
- T. E. Murley, NRR
- E. S. Beckjord, RES
- S. Chilk, SECY
- J. Johnson, OCM/IS
- J. Scarborough, OCM/KR
- J. Guttman, OCM/FR
- E. McKenna, OCM/GD

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SUMMARY OF
ACTIONS, AGREEMENTS, ASSIGNMENTS, AND REQUESTS
402ND ACRS MEETING - OCTOBER 7-8, 1993

During its 402nd meeting, October 7-8, 1993, held at 7920 Norfolk Avenue, Bethesda, Maryland, the Advisory Committee on Reactor Safeguards (ACRS) discussed several matters and completed the reports noted below. In addition, the Committee authorized Dr. Larkins, ACRS Executive Director, to issue the memorandum noted.

REPORTS

Proposed Rule and Draft Regulatory Guide to Address Resolution of Generic Issue 23, "Reactor Coolant Pump Seal Failure" (Report to James M. Taylor, Executive Director for Operations, from J. Ernest Wilkins, Jr., ACRS Chairman, dated October 14, 1993)

Proposed Final Amendments to 10 CFR Part 55 on Renewal of Licenses and Regualification Requirements for Licensed Operators (Report to Chairman Selin, from J. Ernest Wilkins, Jr., ACRS Chairman, dated October 14, 1993)

MEMORANDUM

Proposed Final Rule on Modifications to Fitness-for-Duty Program Requirements (Memorandum to Frank J. Congel, Director, Division of Radiation Safety and Safeguards, NRR, from John T. Larkins, Executive Director, ACRS, dated October 15, 1993.)

Consistent with the Committee's decision, Dr. Larkins informed Mr. Congel that the Committee decided not to review the proposed final rule on modifications to the Fitness-for-Duty Program requirements concerning the random drug testing rate. The Committee has no objection to the staff's proposal for issuing these modifications to the rule.

RECONCILIATION OF ACRS COMMENTS AND RECOMMENDATIONS

The responses of the Executive Director for Operations (EDO) to the comments and recommendations included in previous ACRS reports were discussed as follows:

- EDO letter, dated September 22, 1993, responding to the ACRS report dated August 11, 1993, concerning ACRS Comments on the Proposed Resolution of Generic Issue 57, "Effects of Fire Protection System Actuation on Safety-Related Equipment"

Conclusion

The above EDO letter satisfactorily addressed the Committee's comments. However, the Auxiliary and Secondary Systems Subcommittee plans to hold a meeting in the future to discuss any residual concerns of the Committee related to this matter as well as other fire-related issues.

- EDO letter, dated September 22, 1993, responding to the ACRS report dated August 11, 1993, concerning ACRS Comments on Proposed Resolution of Generic Issue 143, "Availability of Chilled Water System and Room Cooling"

Conclusion

The Committee decided to discuss this matter further during the November 18, 1993 meeting of the Individual Plant Examinations Subcommittee.

SUMMARY/LIST OF FOLLOW-UP MATTERS

- The Committee reviewed and commented on the proposed rule and accompanying draft regulatory guide to address the resolution of Generic Issue-23. The Committee indicated that it was dissatisfied with the proposed resolution. The Committee believes that additional dialogue between the NRC staff and the industry is needed on this matter. A report to the EDO was issued recommending that the proposed rule and draft regulatory guide not be issued for public comment in their present form.
- The Committee heard a briefing by and held discussions with representatives of General Electric Nuclear Energy (GE) regarding severe accident and PRA issues associated with the GE ABWR design certification review. During these discussions:
 - GE was provided a copy of written comments from ACRS members and consultants that were submitted following the Severe Accidents Subcommittee meeting on September 22-24, 1993. GE agreed to respond in writing. These comments have been provided to the NRC staff.
 - The NRC staff agreed to provide a copy of an analysis performed for the ABWR ex-vessel fuel coolant interaction case using the TEXAS-II code. (Note: This document was provided to the Committee on October 8, 1993.)

The Committee will consider this matter further in the discussions with the NRC staff on the Supplemental Safety Evaluation.

- The Committee heard a briefing by representatives of the NRC staff regarding the issues arising from the steam generator tube rupture event that occurred at the Palo Verde Nuclear Power Plant, Unit 2, on March 14, 1993. During the discussion, Dr. Catton requested a copy of the CE thermohydraulic analysis related to this event. Mr. Bob Jones, NRR, stated that he would provide this analysis to Dr. Catton.

ANTICIPATED ACRS ACTIVITIES

The Committee agreed to consider the following during the 403rd ACRS Meeting, November 4-6, 1993, Bethesda, Maryland:

- PRA Working Group Final Report - Review and comment on the proposed PRA Working Group Final Report and an associated Commission paper. Representatives of the NRC staff will participate.
- * Revised Security Requirements - Review and comment on the proposed Commission paper on Internal Threat, SECY-93-270, "Proposed Amendments to 10 CFR Part 73 to Protect Against Malevolent Use of Vehicles at Nuclear Power Plants," and safeguards and security requirements for the GE ABWR design. Representatives of the NRC staff will participate.
- * NRC-RES ROSA AP600 Confirmatory Test Program - Review and comment on the adequacy of the proposed text matrix and modifications and additions to the ROSA test facility prior to initiation of the RES test program in support of the AP600 design certification review. Representatives of the NRC staff will participate.

Preapplication Safety Evaluation Report (PSER) for the PRISM Design - Review and comment on the NRC staff's draft PSER for the PRISM liquid-metal-cooled reactor design. Representatives of the NRC staff will participate.

Instrumentation and Control Systems and Certified Design Material for the ABWR Design - Review and comment on Chapter 7, "Instrumentation and Control Systems," of the Standard Safety Analysis Report for the ABWR design and Certified Design Material for the Instrumentation and Control Systems, Human Factors, Radiation Protection, and Piping Design. Representatives of the NRC staff and GE Nuclear Energy will participate.

Regulatory Treatment of Non-Safety Systems - Review and comment on the proposed NRC staff positions on issues related to the regulatory treatment of non-safety systems. Representatives of the NRC staff will participate.

Technical Training Programs - Hear a briefing by and hold discussions with representatives of the NRC's Office for Analysis and Evaluation of Operational Data (AEOD) on the technical training programs being developed by AEOD for the Technical Training Center in Chattanooga, Tennessee.

- * Westinghouse Experimental Programs Related to the AP600 Passive Plant Design Certification - Hear briefings by and hold discussions with representatives of the Westinghouse Electric Corporation and the NRC staff regarding the Westinghouse experimental programs related to the AP600 passive plant design certification effort.

Resolution of ACRS Comments and Recommendations - Discuss responses from the NRC Executive Director for Operations to recent ACRS comments and recommendations.

- * Report of the Planning and Procedures Subcommittee - Hear a report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business.

ACRS Subcommittee Activities - Hear a report and hold a discussion regarding the activities of the Advanced Boiling Water Reactors Subcommittee.

Future Activities - Discuss topics proposed for consideration by the full Committee during future meetings.

Miscellaneous - Discuss miscellaneous matters related to the conduct of Committee activities and complete discussion of matters and specific issues that were not completed during previous meetings, as time and availability of information permit.

- * Open/Closed