



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

SL-0414

PDR 3/25/94

February 2, 1994

The Honorable Ivan Selin
Chairman
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Chairman Selin:

SUBJECT: SUMMARY REPORT - FOUR HUNDRED FIFTH MEETING OF THE
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS, JANUARY 6-7,
1994, AND OTHER RELATED ACTIVITIES OF THE COMMITTEE

During its 405th meeting, January 6-7, 1994, the Advisory Commit-
tee on Reactor Safeguards (ACRS) discussed several matters and
completed the following reports:

Reports

Final Report on the Use of the Design Acceptance Criteria
Process in the Certification of the General Electric Nuclear
Energy Advanced Boiling Water Reactor Design (Report to
Chairman Selin from J. Ernest Wilkins, Jr., ACRS Chairman,
dated January 14, 1994)

Draft Final Rulemaking Package Dealing with Emergency Plan-
ning Regulations (Report to James M. Taylor, Executive
Director for Operations (EDO), from J. Ernest Wilkins, Jr.,
ACRS Chairman, dated January 21, 1994)

HIGHLIGHTS OF KEY ISSUES CONSIDERED BY THE COMMITTEE

1. Proposed Final Rule to Revise Emergency Planning Regulations
on Exercise Requirements

The Committee reviewed and commented on proposed revisions
to the emergency planning regulations that are intended to
clarify the requirements for the emergency planning exercis-
es.

Conclusion

The Committee provided a report on this matter dated January
21, 1994, to James M. Taylor, EDO.

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2. Proposed Resolution of Generic Issue 67.5.1, "Reassessment of SGTR Radiological Consequences"

The Committee held discussions with representatives of the NRC staff on the proposed resolution of Generic Issue 67.5.1 regarding reassessment of the validity of the present techniques used to calculate radiological consequences resulting from a steam generator tube rupture event.

Conclusion

This briefing was for information only. No Committee action was taken.

3. Results of the Public Workshop on License Renewal

The Committee held discussions with representatives of the NRC staff regarding the results of the NRC sponsored public workshop on license renewal, held September 30, 1993, and a draft Commission paper that includes staff recommendations with regard to changes in the license renewal process. A representative of NUMARC participated.

Conclusion

This briefing was for information only. No Committee action was taken.

4. BWR Core Power Stability/ATWS

The Committee heard a briefing by and held discussions with representatives of the NRC staff regarding the status of staff efforts to resolve the issue of BWR core power stability combined with an ATWS event, the related issue of boron remixing phenomena, and the development of emergency procedure guidelines to improve instability mitigating actions.

Conclusion

The Committee will review the BWROG and NRR reports on the emergency procedure guidelines for ATWS/instability when they become available. Such a review appears to be possible in May or June 1994. No Committee action was taken.

5. Reliability Assurance Program

The Committee held discussions with representatives of the NRC staff regarding the staff position on the Reliability Assurance Program (RAP) for the advanced light water reactors. Specific questions on RAP from Commissioner Remick were addressed.

Conclusion

The Committee agreed to work on an ACRS report on this subject during the 406th Committee meeting.

6. Certified Design Material for ABWR

The Committee continued its discussion of a proposed ACRS report on the ABWR Certified Design Material for the areas of Human Factors Engineering, Radiation Protection, Piping Design, and Instrumentation and Control. Representatives of the NRC staff participated.

Conclusion

The Committee provided a report on this matter dated January 14, 1994, to Chairman Selin.

7. Meeting with the Deputy Executive Director for Nuclear Reactor Regulation, Regional Operations and Research

The Committee met with Mr. James H. Sniezek, Deputy Executive Director for Nuclear Reactor Regulation, Regional Operations and Research, and Mr. James L. Milhoan to discuss items of mutual interest, including the competency of the NRC staff, the reduction of NRC supervisors, and reengineering of the rulemaking process.

Conclusion

This briefing was for information only. No Committee action was taken.

8. Reconciliation of ACRS Comments and Recommendations

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

- EDO letter, dated December 28, 1993, responding to the ACRS report dated November 10, 1993, concerning ACRS Comments on Draft Final Report of the PRA Working Group.

Conclusion

The above EDO letter satisfactorily addressed the Committee's comments.

- EDO letter, dated December 16, 1993, responding to the ACRS report dated November 16, 1993, concerning ACRS Comments on Computers in Nuclear Power Plant Operations.

Conclusion

The above EDO letter satisfactorily addressed the Committee's comments.

9. Subcommittee Meetings

During the period from December 12, 1993, to January 5, 1994, the following Subcommittee meetings were held:

- Advanced Boiling Water Reactors - December 15, 1993

The Subcommittee continued its review of the NRC staff's Final Safety Evaluation Report for the General Electric Nuclear Energy Advanced Boiling Water Reactor design and related matters.

- Materials and Metallurgy - December 16, 1993

The Subcommittee discussed steam generator operating experiences and related rulemaking activities with representatives of the NRC staff and NUMARC.

- Thermal Hydraulic Phenomena - January 4-5, 1994

The Subcommittee continued its review of the NRC RELAP5/MOD 3 code. The focus of the discussion was on the use of this code in support of the AP600 passive plant design certification review.

- Planning and Procedures - January 5, 1994

The Subcommittee discussed proposed ACRS activities, practices and procedures for conducting the Committee business, and organizational and personnel matters relating to ACRS and its staff.

10. Future Meeting Agenda

The Committee agreed to consider the following during the 406th ACRS Meeting, February 10-12, 1994, Bethesda, Maryland:

Periodic Meeting Between the ACRS and the NRC Commissioners
- Meet with the NRC Commissioners to discuss matters of mutual interest.

Annual ACRS Report to Congress - Discuss a proposed annual ACRS report to Congress on the NRC Safety Research Program.

Proposed ACRS Reports - Discuss proposed ACRS reports on Diversity and on the Reliability Assurance Program for the Advanced Light Water Reactors.

Proposed NRC Staff Plan to Implement the Recommendations of the PRA Working Group and the Regulatory Review Group - Review and comment on the proposed NRC staff plan to implement the recommendations of the PRA Working Group and the PRA-related recommendations of the Regulatory Review Group. Representatives of the NRC staff will participate. Representatives of the industry will participate, as appropriate.

Advanced Light Water Reactor (ALWR) Policy Issue - Source Term - Review and comment on a draft Commission Paper related to the source term to be used for ALWRs. Representatives of the NRC staff will participate.

Protection Against Malevolent Use of Vehicles at Nuclear Power Plants - Discuss the public comments on the proposed final rule on protection against malevolent use of vehicles at nuclear power plants, including comments by NUMARC and the associated NRC staff resolution. Representatives of the NRC staff, NUMARC, and other groups will participate, as appropriate. A portion of this session may be closed to discuss safeguards and security information.

Management Perspective Regarding Advanced Boiling Water Reactor (ABWR) Review - Hold discussions with Dr. Murley, Director of the Office of Nuclear Reactor Regulation, and senior managers of the General Electric Nuclear Energy regarding the status of the staff review of the Advanced Boiling Water Reactor design.

Advanced Boiling Water Reactor Review - Hear briefings by and hold discussions with representatives of the NRC staff and General Electric Nuclear Energy on final design approval for the Advanced Boiling Water Reactor.

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. A portion of this session may be closed pursuant to 5 U.S.C. 552b(c)(2) and (6) to discuss personnel matters that relate solely to internal personnel rules and practices of ACRS, and matters the release of which would represent a clearly unwarranted invasion of personal privacy.

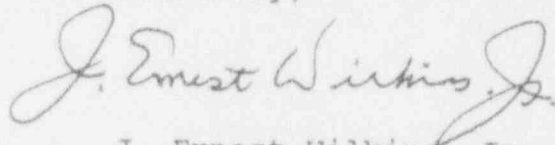
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ACRS Subcommittee Activities - Hear reports and hold discussions regarding the status of ACRS subcommittee activities, including a report from the Subcommittee on ABB-CE System 80+ Standard Plant Design.

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.

Sincerely,

A handwritten signature in cursive script that reads "J. Ernest Wilkins, Jr." The signature is written in dark ink and is positioned above the typed name.

J. Ernest Wilkins, Jr.
Chairman