



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

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Honorable John F. Ahearne  
Chairman  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Subject: TWO-HUNDRED-FORTY-SIXTH MEETING OF THE ADVISORY COMMITTEE ON REACTOR SAFEGUARDS, OCTOBER 9-11, 1980

Dear Dr. Ahearne:

The Advisory Committee on Reactor Safeguards held its 246th meeting in Washington, DC on October 9-11, 1980. Items considered at this meeting are summarized below:

The Committee completed its report to the Commission on proposed Quantitative Risk Acceptance Criteria. Final editing of this report is in progress.

The Committee met with members of the NRC Staff to discuss the proposed fire protection rule (10 CFR Part 50, Appendix R). A report with Committee comments regarding this rule has been sent to you.

The Committee prepared a memorandum to the Executive Director for Operations providing its comments on the use of quantitative risk analysis in making decisions regarding the seismic design and qualification of auxiliary feedwater systems.

The Committee approved a memorandum from the ACRS Executive Director to the NRC Executive Director for Operations providing comments on the NRC Staff's preliminary plans for addressing the requirements in Sec. 110 of the FY-80 NRC Authorization Bill (Bingham Amendment).

Copies of the memoranda noted above have been provided to you.

The Committee met with Commissioners Bradford and Gilinsky to discuss

- Commissioner Gilinsky's suggestions regarding the content and format of ACRS reports.
- ACRS comments on the NRC Staff's current position regarding resolution of the generic item, ATWS.
- Further Committee comments regarding the adequacy of the NRC Staff's parameters and procedures for identifying unresolved safety issues to be reported to the Congress.

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- Consideration of waste management and disposal matters, including the possible coordination of this program with those for other hazardous industrial wastes.
- Means for making the ACRS report to the NRC on the Reactor Safety Research Budget more meaningful.
- The use of quantitative risk assessment in the regulatory process.

The Committee was briefed by members of the NRC Staff regarding the current status of the proposed Nuclear Data Link.

Since the last report of ACRS activities, the following subcommittee meetings have been held:

Ad Hoc ACRS Subcommittee/FRG Representatives, in Washington, DC on September 19, 1980

Waste Management, in Washington, DC on October 3, 1980

Reactor Operations, in Washington, DC on October 7, 1980

Safety Philosophy, Technology, and Criteria, in Washington, DC on October 8, 1980

Extreme External Phenomena, in Washington, DC on October 8, 1980

Dresden Nuclear Plant Unit 1, in Washington, DC on October 8, 1980

Advanced Reactors, in Washington, DC on October 8, 1980

The following items are tentatively scheduled for consideration during the 247th ACRS Meeting, November 6-8, 1980:

Regulatory Guide 1.97 -- "Instrumentation for Light-Water-Cooled Nuclear Power Plants to Assess Plant and Environs Conditions During and Following an Accident"

General Electric Test Reactor -- seismic modifications and proposed operation

Diablo Canyon Nuclear Power Plant -- systems interactions related to seismic events

ACRS Report Format -- comments regarding Commissioner Gilinsky's suggestion to eliminate the final paragraph

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BWR Scram Systems -- adequacy of system design

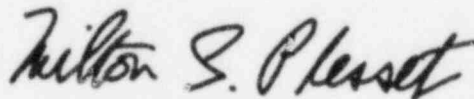
TMI-2 -- status of recovery operations (Staff report to ACRS)

ACRS Generic Issues Applicable to LWRs -- review of current status

Meeting with the NRC Commissioners -- items tentatively scheduled include:

- a. Use of Quantitative Risk Assessment in the Regulatory Process particularly as Applied to Auxiliary Feedwater Systems
- b. Format of ACRS Reports
- c. North Anna Nuclear Plant -- Decay Heat Removal System (Clarification of Commissioner Gilinsky's request for ACRS consideration of changes in decay heat removal systems)
- d. New Safety Concepts for New Nuclear Plants -- interim response per your request for ACRS comments.

Sincerely yours,



Milton S. Plesset  
Chairman