



SERVICE FOR EVALUATING REGULATORY CHANGES

July 24, 2001

FOI/PA REQUEST

Case No: 2001-0327
Date Recd: 7-27-01
Action Off: Crowe
Related Case: _____

Freedom of Information and Privacy Act
Office of the Chief Information Officer
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Gentlemen:

Pursuant to the Freedom of Information Act, and the implementing regulation in Title 10 of the Code of Federal Regulations, I am requesting that a June 12, 1987 letter from Ashok C. Thadani (NRC) to Roger Newton (Chairman, WOG) be made available in the Public Document Room. The letter is Reference 1 in a December 1, 1987 letter to Northeast Nuclear Energy Company (ACN 871209233); the letter is also referenced in two WOG submittals, November 23, 1987 (ACN 8711250245) and March 1, 1989 (ACN 8903100040), first pages attached. I asked the Public Document Room for this reference; I was told it is in NUDOCS but is coded as CF only (non public).

Very truly yours,

Nancy G. Chapman
SERCH Manager

Attachments

December 1, 1987

Docket No. 50-423

Mr. Edward J. Mrocza
Senior Vice President
Nuclear Engineering and Operations
Northeast Nuclear Energy Company
Post Office Box 270
Hartford, Connecticut 06141-0270

DISTRIBUTION

~~Docket File~~

NRC & Local PDRs
PDI-4 Files
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ACRS(10)

Dear Mr. Mrocza:

SUBJECT: MILLSTONE NUCLEAR STATION, UNIT NO. 3
CYCLE 2 RELOAD (TAC NO. 66023)

References:

1. Letter from Ashok C. Thadani (NRC) to Roger Newton (Chairman, WOG), dated June 12, 1987. This letter was also sent to the CE and P&I Owners Groups. The subject of the letter is "ATWS Moderator Temperature Coefficient".
2. Letter from Roger Newton (Chairman, WOG) to Ashok C. Thadani (NRC), dated November 23, 1987.
3. "Amendments to 10 CFR 50 Related to Anticipated Transient Without Scram (ATWS) Events," SECY-83-293, dated July 19, 1983.

Your letter dated September 9, 1987, requested a change to Technical Specification 3.1.1.3 to permit a more positive moderator temperature coefficient (MTC). The proposed least negative MTC would be +5 pcm/°F between zero and 70% power and ramp down from +5 pcm/°F at 70% power to 0 pcm/°F at 100% power. (Note that a pcm is equal to 10⁻⁵ units of reactivity.)

A concern has been expressed by the staff in a letter (Ref. 1) to the three PWR Owners Groups on this apparent trend to more positive MTCs than those that were used by the PWR vendors in performing anticipated transients without scram (ATWS) analyses that preceded and formed part of the underlying basis for the ATWS Rule, (10 CFR 50.62). In reference 1 the staff specifically asked for a reevaluation of the MTC. The Westinghouse Owners Group (WOG) indicated, by letter (Ref. 2) dated November 23, 1987, that its response, would be based on its interpretation of SECY-83-293 (Ref. 3). Based upon preliminary discussions with Westinghouse, the staff believes the proposed WOG response will not address the staff's concern for Millstone 3 cycle 2 reload because the WOG response will not include a reevaluation of the MTC.

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Westinghouse Owners Group

Domestic Utilities

Alabama Power
 American Electric Power
 Carolina Power & Light
 Commonwealth Edison
 Consolidated Edison
 Duquesne Light
 Duke Power

Georgia Power
 Florida Power & Light
 Houston Lighting & Power
 Kansas Gas & Electric
 New York Power Authority
 Northern Utilities
 Northern States Power

Pacific Gas & Electric
 Portland General Electric
 Public Service Electric & Gas
 Public Service of New Hampshire
 Rochester Gas & Electric
 South Carolina Electric & Gas
 Southern California Edison

Tennessee Valley Authority
 Texas Utilities Electric
 Union Electric
 Virginia Power
 Wisconsin Electric Power
 Wisconsin Public Service
 Yankee Atomic Electric

Foreign Utilities

Belgian Utilities
 ENEL
 Kansai Electric Power
 Korea Electric
 Spanish Utilities
 Swedish State Power Board
 Taiwan Power

OG-87-50

November 23, 1987

U.S. Nuclear Regulatory Commission
 Washington, D.C. 20555

Attention: Mr. Ashok C. Thadani, Assistant Director for Systems
 Division of Engineering & Systems Technology
 Office of Nuclear Reactor Regulation

Subject: Westinghouse Owners Group
 WOG/NRC Meeting Summary: Implications of Current
 Core Design Trends on the ATWS Rule

Dear Mr. Thadani:

On October 7, 1987, representatives from the Westinghouse Owners Group (WOG) and Westinghouse met with the NRC Staff. The objective of the meeting was to review the ATWS Rule basis for Westinghouse plants and to seek clarification of the June 12, 1987 NRC letter to the Westinghouse Owners Group regarding the effects of current core design trends on the ATWS Rule basis. The meeting attendance roster is attached. The following points summarize the meeting discussions.

1. Effect of Core Design Trends on the ATWS Rule Basis

Mr. Thadani discussed NRC observations of recent industry trends in reload fuel management strategies that result in the application of small positive moderator temperature coefficients (MTC) at low power levels and identified the need for the NRC Staff to assess the possible effects of these changes on the ATWS Rule bases for all NSSS vendors. The NRC has requested all FWR Owner's Groups to assist them in this assessment. The NRC assessment focus will consider the role of the moderator temperature coefficient assumptions in the basis for the ATWS Rule.

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Westinghouse Owners Group

Domestic Utilities

Alabama Power
American Electric Power
Carolina Power & Light
Commonwealth Edison
Consolidated Edison
Duquesne Light
Duke Power

Georgia Power
Florida Power & Light
Houston Lighting & Power
New York Power Authority
Northeast Utilities
Northern States Power
Pacific Gas & Electric

Portland General Electric
Public Service Electric & Gas
Public Service of New Hampshire
Rochester Gas & Electric
South Carolina Electric & Gas
Southern California Edison
Tennessee Valley Authority

Texas Utilities Electric
Union Electric
Virginia Power
Wisconsin Electric Power
Wisconsin Public Service
Wolf Creek Nuclear
Yankee Atomic Electric

Foreign Utilities

Belgian Utilities
ENEL
Kansai Electric Power
Korea Electric
Nuklearna Elektra
Spanish Utilities
Swedish State Power Board
Taiwan Power

OG-89-09

March 1, 1989

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

Attention: Mr. Ashok C. Thadani
Assistant Director for Systems
Division of Engineering and Systems Technology
Office of Nuclear Reactor Regulation

Subject: Westinghouse Owners Group
Assessment of Compliance with
ATWS Rule Basis for Westinghouse PWRs

Dear Mr. Thadani:

Enclosed are twenty five (25) copies of WCAP-11993, "Joint Westinghouse Owners Group/Westinghouse Program: "Assessment of Compliance with ATWS Rule Basis for Westinghouse PWRs", (non-proprietary). This report is being provided to the Commission for informational purposes only, and review for approval is not requested. The Westinghouse Owners Group and Westinghouse will be available for discussions of this issue if the Commission so desires.

In June of 1987, the NRC requested from all PWR Owners Groups information to demonstrate ATWS Rule (10CFR50.62) compliance. Subsequent to this request, representatives of the Westinghouse Owners Group (WOG) and Westinghouse held several discussions with members of the NRC Staff. On February 11, 1988, representatives of the WOG and Westinghouse met with members of the NRC Staff at the Westinghouse Rockville Nuclear Licensing Office to summarize current Westinghouse fuel management considerations, show the relationship of current fuel management to the ATWS Rule and basis, and outline the program that the WOG and Westinghouse had jointly undertaken to demonstrate ATWS Rule compliance for Westinghouse PWRs.

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