

NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
HOLYOKE WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

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November 19, 1985

Docket No. 50-423
B11888

Director of Nuclear Reactor Regulation
Mr. B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

- Reference: (1) J. F. Opeka letter to H. L. Thompson, Jr., Response to Generic Letter 85-12, dated September 16, 1985.
- (2) Westinghouse Owners Group Emergency Response Guidelines, Executive Volume, September 1983.

Dear Mr. Youngblood:

Millstone Nuclear Power Station, Unit No. 3
Clarification of Response to Generic Letter 85-12

In a November 18, 1985 telephone conversation between the NRC Staff and representatives of Northeast Nuclear Energy Company (NNECO), the Staff requested additional information regarding the Millstone Unit No. 3 Reactor Coolant Pump (RCP) trip criterion for non-LOCA events. The following provides the information requested by the Staff.

In Section A.3 of Reference (1), the Reactor Coolant Pump (RCP) trip criterion selected for Millstone Unit No. 3 was compared to the accident analyses in FSAR Chapter 15. The intent of this comparison was to indicate that the RCP trip criterion had no impact on the FSAR Chapter 15 results. For three accidents, under the worse case scenarios required for Chapter 15, the predicted Reactor Coolant System (RCS) pressure falls below the RCP trip setpoint; however, the RCP trip criterion does not adversely affect the FSAR analysis.

Using best estimate analyses, RCS pressure should remain above the normal environment setpoint of 1,410 psia. Feedwater-line breaks and steam-line breaks inside containment need not be considered since these breaks will result in a containment high-3 pressure condition. A high-3 pressure condition will require a RCP trip independent of this criterion. A feedwater-line break outside containment will not result in a steam generator blowdown and RCS depressurization because the feedwater check valves inside containment will prevent back flow from the steam generator. For other non-LOCA events, the best estimate minimum RCS pressure is 1,738 psig as given in Reference (2). Using the Millstone Unit No. 3 Reactor Coolant Pump trip criterion, the RCPs would not be tripped in these non-LOCA events.

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We trust that this information satisfactorily responds to the Staff's concerns.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY
et. al.

BY NORTHEAST NUCLEAR ENERGY COMPANY
Their Agent

J. F. Opeka
J. F. Opeka
Senior Vice President

C. F. Sears
By: C. F. Sears
Vice President

STATE OF CONNECTICUT)
) ss. Berlin
COUNTY OF HARTFORD)

Then personally appeared before me C. F. Sears, who being duly sworn, did state that he is Vice President of Northeast Nuclear Energy Company, an Applicant herein, that he is authorized to execute and file the foregoing information in the name and on behalf of the Applicants herein and that the statements contained in said information are true and correct to the best of his knowledge and belief.

Jennifer Flowers
Notary Public
My Commission Expires March 31, 1989