

NORTHEAST UTILITIES



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

General Offices • Selden Street, Berlin, Connecticut

P.O. BOX 270
HARTFORD, CONNECTICUT 06141-0270
(203) 665-5000

November 25, 1985

Docket No. 50-423
B11901

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

References: (1) J. F. Opeka letter to B. J. Youngblood, Qualification of Accumulator Nitrogen Vent Valves for Submergence, dated November 5, 1985.

Millstone Nuclear Power Station, Unit No. 3
Qualification of Accumulator Nitrogen Vent Valves for Submergence

In Reference (1), Northeast Nuclear Energy Company (NNECO) provided information to justify not considering the submergence condition for the qualification of the accumulator nitrogen vent valves. It was stated that the allowable operator response time to terminate the containment spray is of sufficient duration to assume that the necessary actions could be taken to prevent flooding of the vent valves. NNECO hereby provides the additional clarifying information (Attachment I) concerning the operator response time and time at which the vent valves would be first subjected to submergence.

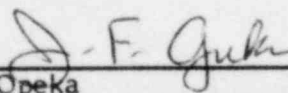
The attached information is submitted as supplementary information to the telephone conversation held with the Staff on November 19, 1985.

If you have any questions regarding this information, please contact our licensing representative directly.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY
et. al.

BY NORTHEAST NUCLEAR ENERGY COMPANY
The Agent



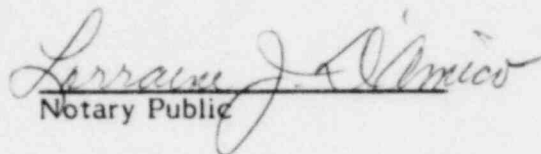
J. F. Opeka
Senior Vice President

8512060089 851125
PDR ADOCK 05000423
PDR

3001
11

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

Then personally appeared before me J. F. Opeka, who being duly sworn, did state that he is Senior 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.


Notary Public

My Commission Expires March 31, 1988

Attachment I

Submergence of the Accumulator Nitrogen Vent Valves

Following a secondary side break inside containment, containment sprays will be actuated if the resultant containment pressure increases to the high-3 containment pressure setpoint. Sprays will be terminated once the pressure is reduced to less than 13.0 psia, which occurs after termination of break flow following isolation of auxiliary feedwater to the affected steam generator. This manual operation is assumed to occur at 30 minutes after the break. An additional five minutes for operator action is assumed to terminate the sprays. Review of the main steam line break accident analyses indicates that the maximum volume of water on the containment floor at the time of spray termination would be less than 250,000 gallons. This volume is comprised of quench spray flow and break flow, which includes the initial steam generator inventory, main feedwater addition, and auxiliary feedwater addition to the affected steam generator. The accumulator vent valves are located at elevation -21 ft. 0 in. which corresponds to approximately 368,000 gallons of water on the containment floor. Therefore a margin of 118,000 gallons (corresponding to an additional 20 minutes of spray system operation) exist from the time that the sprays would be terminated to the time at which the vent valves would be first subjected to submergence.