

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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P.O. BOX 270
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(203) 666-6911

March 1, 1985

Docket No. 50-423
B11471

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

Dear Mr. Youngblood:

Millstone Nuclear Power Station, Unit No. 3
Partial Response to SER Open Item #10

Northeast Nuclear Energy Company (NNECO) hereby provides a partial response to SER Open Item #10 concerning subcompartment analysis.

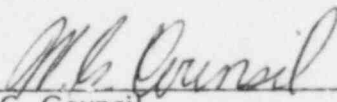
As noted on revised FSAR Table 6.2-43 which is attached, the refueling cavity wall is designed to withstand a uniform pressure of 11.6 psid resulting from the cavity being filled with water for refueling operations. This pressure is far in excess of that resulting from high energy pipe breaks and therefore represents the controlling load combination for the design of the refueling cavity.

We trust this information fully resolves the Staff's concerns regarding the structural capability of the refueling cavity wall which were identified as part of SER Open Item #10. If you have any questions or concerns regarding this submittal, please feel free to contact our licensing representative directly.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY
et. al.

BY NORTHEAST NUCLEAR ENERGY COMPANY
Their Agent



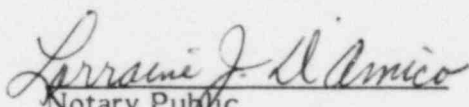
W. G. Council
Senior Vice President

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

Then personally appeared before me W. G. Council, 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

TABLE 6.2-43

SUBCOMPARTMENT DESIGN AND MAXIMUM CALCULATED
DIFFERENTIAL PRESSURES

	<u>Compartment</u>	<u>Design Pressure (psid, uniform)</u>	<u>Maximum Calculated Pressure (psid, local)</u>
480.9	Refueling Cavity*	11.6	4.59
	Upper Reactor Cavity	120.0	70.94
480.9	Lower Pressurizer Cubicle	20.5	20.31
	Upper Pressurizer Cubicle	7.7	5.83
	Steam Generator Cubicle	21.7	19.37
	Steam Generator Enclosure above Operating Floor	9.2	6.78

* The controlling load combination for the refueling cavity wall design is for the cavity filled with water during refueling, which results in a design pressure of 11.6 psid.