

**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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December 19, 1990

Docket No. 50-423

B13693

Re: 10CFR50.90

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Reference: E. J. Mroczka letter to the U. S. Nuclear Regulatory Commission, Proposed Revision to Technical Specifications--Containment Pressure, dated February 26, 1990.

Gentlemen:

Millstone Nuclear Power Station, Unit No. 3  
Proposed Revision to Technical Specifications  
Containment Pressure (TAC No. 76066)

By letter dated February 26, 1990 (Reference), Northeast Nuclear Energy Company (NNECO) submitted a proposed revision to Technical Specifications for Millstone Unit No. 3. Specifically, Technical Specification 3/4.6 (Containment Systems) and its associated bases are being revised to allow containment pressure to increase to 14.0 psia during Modes 1 through 4. The purpose of the containment pressure increase is to reduce the potential for personnel injury when entering containment due to pressure changes and to permit more expedient entry into the containment for inspection and problem resolution. The proposed increase in the containment pressure is based upon a new containment analysis performed by Stone and Webster at the direction of NNECO. The new containment analysis demonstrates that it is safe to operate Millstone Unit No. 3 at a containment pressure of 14.2 psia with 75°F service water temperature. In addition, the proposed changes also correct the bypass penetration listing of Technical Specification Table 3.6-1 as follows:

1. Penetrations Z-28 and Z-29 (aerated drains and gaseous vents) are being deleted.
2. Penetrations Z-59, Z-60, and Z-124 (fuel pool purification and nitrogen supply to containment) are being added.

In a subsequent discussion with the NRC Staff, additional information was requested to clarify the proposed deletion of Penetrations Z-28 and Z-29 from Technical Specification Table 3.6-1 and to provide a schedule for the proposed modification to the existing narrow-range pressure transmitters (3LMS\*PT43A and LMS\*PT43B) that provide indication on the main control board.

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With regard to the pressure transmitters, 3LMS\*PT43A and LMS\*PT43B, all the necessary modifications that will permit control board indication in the new range of operation (8.5 to 14.5 psia instead of 8.5 to 13.5 psia) will be accomplished prior to implementation of the license amendment related to the proposed technical specification changes included in Attachment 2 of Reference 1.

The Millstone Unit No. 3 Technical Specification Table 3.6-1, "Enclosure Building Bypass Leakage Paths," is a list of "bypass" penetrations. The enclosure building bypass penetrations are lines that come out of the primary containment and run through the enclosure building (which contains the supplementary leak collection and release system) to other areas of the plant. Leakage through the containment isolation valves in these penetrations could bypass the secondary containment afforded by the enclosure building and go directly to the outside environment during and after a design basis accident such as a loss-of-coolant accident (if the downstream piping outside the enclosure building fails). All Millstone Unit No. 3 containment penetrations were reviewed for potential bypass leakage paths using original licensing basis analysis (i.e., Stone and Webster calculations). The purpose of this review was to identify and properly account for penetrations that are potential bypass leakage paths. The proposed changes to Table 3.6-1 represent the results of refinement in previous analyses which identified bypass penetrations.

The lines to the two penetrations (Z-28 and Z-29) are being deleted from Table 3.6-1 since these lines are found to be in areas with safety-related ventilation systems or areas that are capable of being aligned to these safety-related ventilation systems. Any leakage through these lines will be processed through safety-related ventilation systems before it is released to the outside environment. Therefore, it was determined that these lines do not constitute bypass leakage paths and could be deleted from Table 3.6-1.

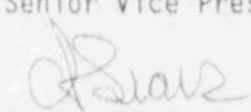
In the case of Penetrations Z-59, Z-60, and Z-124, it was determined that there were pathways and potential break locations that could combine to produce potential bypass leakage paths. Therefore, Table 3.6-1 was revised to include these three penetrations.

We trust the Staff finds this additional information helpful. Should you have any additional questions, please contact our licensing representative directly.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

FOR: E. J. Mroczka  
Senior Vice President

BY:   
C. F. Sears  
Vice President

cc: See next page

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cc: T. T. Martin, Region I Administrator  
D. H. Jaffe, NRC Project Manager, Millstone Unit No. 3  
W. J. Raymond, Senior Resident Inspector, Millstone Unit Nos. 1, 2, and 3

Mr. Kevin McCarthy, Director  
Radiation Control Unit  
Department of Environmental Protection  
Hartford, CT 06116

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, a Licensee herein, that he is authorized to execute and file the foregoing information in the name and on behalf of the Licensee herein, and that the statements contained in said information are true and correct to the best of his knowledge and belief.

*Lorraine J. D'Amico*  
Notary Public

My Commission Expires March 31, 1988