

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 7, 1990

Docket No. 50-245

B13679

Re: 10CFR50.90

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

Gentlemen:

Millstone Nuclear Power Station, Unit No. 1
Proposed Revision to Technical Specifications
Diesel Generator Fuel Storage Requirement

Pursuant to 10CFR50.90, Northeast Nuclear Energy Company (NNECO) hereby proposes to amend its Operating License No. DPR-21 by incorporating the changes identified in Attachment 1 into the Technical Specifications of Millstone Unit No. 1.

Specifically, the proposed changes will increase the storage requirements in Section 3.9.C and Bases Section 3.9.D of the Technical Specifications from 20,000 gallons to 23,400 gallons to provide added assurance that the diesel generator will operate for 5 days at full load without refilling the storage tanks.

Discussion

Millstone Unit No. 1 Technical Specifications currently require at least 20,000 gallons of fuel oil to be stored on site to supply the diesel generator with about 5 days of full load operation. Based on a review of fuel consumption data by NNECO and the manufacturer of the Millstone Unit No. 1 emergency diesel generator, fuel requirements for 5 days at full load were determined to be approximately 23,400 gallons. Thus, changing the storage requirements from 20,000 gallons to 23,400 gallons will give added assurance that the diesel generator will be able to operate for 5 days without the need to refill the storage tanks. Accordingly, NNECO has established administrative controls to maintain the higher fuel storage requirement.

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Significant Hazards Consideration

This proposed change to the Millstone Unit No. 1 Technical Specifications has been reviewed in accordance with the criteria of 10CFR50.92 and found not to constitute a significant hazards consideration. Specifically, the proposed change does not:

1. Involve a significant increase in the probability or consequences of any accident previously evaluated. The proposed change increases the storage requirement for diesel fuel. This will allow operation of the diesel generator for a longer period of time without refilling the storage tanks. The increased storage requirement is within the storage capability of the system. Therefore, the proposed change does not adversely affect any previously analyzed accident.
2. Create the possibility of a new or different kind of accident from those previously analyzed. Since there are no changes in plant operation, the potential for an unanalyzed accident is not created and no new failure modes are created.
3. Involve a significant reduction in a margin of safety. Increasing the diesel fuel oil storage requirement from 20,000 gallons to 23,400 gallons gives added assurance that sufficient fuel will be available to supply the diesel generator for about 5 days of full load operation. Since the proposed change does not affect the consequences of any accident previously analyzed, there is no reduction in the margin of safety.

The Commission has provided guidance concerning the application of standards in 10CFR50.92 by providing certain examples (51 FR 7751, March 6, 1986) of amendments that are considered not likely to involve a significant hazards consideration. Although the changes proposed herein are not enveloped by a specific example, the change would not involve a significant increase in the probability or consequences of any accident previously analyzed. Increasing the requirement for diesel fuel oil storage further ensures adequate fuel to operate the diesel generator at full load for approximately 5 days without the need to refill the storage tanks. As stated above, Millstone Unit No. 1 has established administrative controls to maintain the higher requirement for diesel fuel storage.

The Millstone Unit No. 1 Nuclear Review Board has reviewed and approved the attached proposed changes and has concurred with the above determinations.

Based upon the information contained in this submittal and the environmental assessment for Millstone Unit No. 1, there are no significant radiological or nonradiological impacts associated with the proposed change, and the proposed license amendment will not have a significant effect on the quality of the human environment.

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In accordance with 10CFR50.91(b), NNECO is providing the State of Connecticut with a copy of this amendment request.

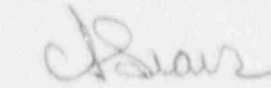
Please contact us if you have questions.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

FOR: E. J. Mroczka
Senior Vice President

BY:



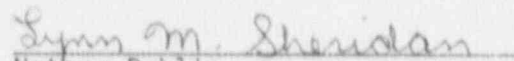
C. F. Sears
Vice President

cc: T. T. Martin, Region I Administrator
M. L. Boyle, NRC Project Manager, Millstone Unit No. 1
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.


Notary Public