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

Docket No. 50-336

October 30, 1992
MP-92-1175

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

Gentlemen:

Millstone Nuclear Power Station, Unit No. 2
Core Operating Limits Report - Revision 5

The Millstone Unit No. 2 Core Operating Limits Report (COLR) has been revised to incorporate the following changes for Cycle 12 operation:

(a) TOTAL UNRODDED INTEGRATED RADIAL PEAKING FACTOR - F_r^T is now a DEFINED TERM in the Millstone Unit No. 2 Technical Specifications, and therefore appears in the capitalized type throughout the COLR.

(b) The tow tiered reactor coolant flow rate requirements for the linear ... rate limit have been deleted. The linear heat rate limit for Cycle 12 operation is less than or equal to 15.1 kw/ft.

(c) The flux peaking augmentation factors have been changed from a core height dependent value to a single val... , and the associated Figure 2.5-2 has been deleted. The single value used for the flux peaking augmentation factor is 1.055, which corresponds to the highest value from the deleted Figure 2.5-2.

(d) The TOTAL UNRODDED INTEGRATED RADIAL PEAKING FACTOR - F_r^T limit has been increased to 1.69 from 1.64, and the associated power dependent F_r^T limits shown on Figure 2.6-1 were also increased. The F_r^T limit increase is made possible due to the increased reactor coolant flow from the replacement steam generators, and by restricting the limits for the Local Power Density Limiting Safety System Setting and Limiting Condition for Operation.

(e) The reactor coolant flow rate limit for DNB Margin has been increased from 325,000 gpm to 360,000 gpm to take advantage of the increased reactor coolant flow from the replacement steam generators.

(f) Figure 2.4-1, CEA Insertion Limit vs. THERMAL POWER with Four Reactor Coolant Pumps Operating, has been changed to restore it back to the original "stretch power" limits.

(g) Figure 2.5-1, AXIAL SHAPE INDEX vs. PERCENT OF ALLOWABLE POWER LEVEL, has been changed to reflect the Cycle 12 Safety Analysis assumptions in relation to the F_r^T limits.

A001

In accordance with the Millstone Unit No. 2 Technical Specifications, Section 6.9.1.7.a, NNECo hereby submits Revision 5 to the Millstone Unit No. 2 COLR.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

Stephen E. Scace
Vice President
Millstone Nuclear Power Station

cc: T.T. Martin, Region I Administrator
G.S. Vissing, NRC Project Manager, Millstone Unit No. 2
L.A. Dempsey, Resident Inspector, Millstone Unit No. 2
P.D. Swetland, Senior Resident Inspector, Millstone Unit Nos. 1, 2, and 3