



Northeast
Utilities System

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March 14, 1994

Docket No. 50-245
B14780

Re: Technical Specification 6.9.1.9

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

Millstone Nuclear Power Station, Unit No. 1
Supplemental Reload Licensing Submittal
Reload 14/Cycle 15

Northeast Nuclear Energy Company (NNECO), on behalf of Millstone Unit No. 1, hereby provides as Attachment 1, the Supplemental Reload Licensing Submittal (SRLS) for Reload 14/Cycle 15 as required by Technical Specification 6.9.1.9. This document provides the Average Planar Linear Heat Generation Rate (APLHGR) limits, the Linear Heat Generation Rate (LHGR) value, and the Minimum Critical Power Ratio (MCPR) limit for Millstone Unit No. 1 as required by Technical Specifications 3.11.A, 3.11.B, and 3.11.C, respectively.

The analytical methods used to determine the above-mentioned limits have been reviewed and approved by the Staff in General Electric Standard Application for Reactor Fuel, (GESTAR II) NEDE-24011-P-A-10, February 1991; and the U.S. Supplement, NEDE-24011-P-A-10-US, March 1991. The core power distribution limits are determined so that all applicable limits (e.g., fuel thermal-mechanical limits, Emergency Core Cooling System limits, nuclear limits such as shutdown margin, and transient and accident analyses limits) of the safety analysis are met.

APLHGR

The limiting condition for operation for the APLHGR limits are provided in Appendix B. Appendix B of the SRLS states that the APLHGR for each type of fuel as a function of axial location and average planar exposure shall not exceed limits based on applicable APLHGR limit values which have been approved for the respective fuel and lattice types determined by the approved methodology described in GESTAR II. Technical Specification 3.11.A references the limits provided in the SRLS. Tables B-1 through B-4 of the SRLS are to be used when hand calculations are required, such that the APLHGR for each type of fuel as a function of average planar exposure shall not exceed the limiting value for the most limiting lattice.

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LHGR

The LHGR value show below is provided in Appendix B of the SRLS. In addition, it is currently shown in Technical Specification 3.11.B:

14.4 kW/ft for GE8x8EB (GE-8B) and GE8x8NB-3 (GE-10) fuel

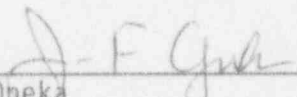
MCPR

Per Technical Specification 3.11.C, during Core Thermal Power operation greater than or equal to 25% of rated, the MCPR shall be greater than or equal to the MCPR limit specified in the SRLS (Table B-5) multiplied by the K_r .

If you have any questions, please contact us.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY



J. F. Opeka
Executive Vice President

cc: T. T. Martin, Region I Administrator
J. W. Andersen, NRC Acting Project Manager, Millstone Unit No. 1
P. D. Swetland, Senior Resident Inspector, Millstone Unit Nos. 1, 2,
and 3

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Attachment 1

Millstone Nuclear Power Station, Unit No. 1

Supplemental Reload Licensing Submittal

Reload 14/Cycle 15

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