



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

October 30, 1998

50-336

Mr. Martin L. Bowling, Jr.  
Recovery Officer - Technical Services  
Northeast Nuclear Energy Company  
c/o Ms. Patricia A. Loftus  
Director - Regulatory Affairs  
P. O. Box 128  
Waterford, Connecticut 06385

SUBJECT: LICENSE AMENDMENT REQUEST RELATING TO THE PRESSURIZER  
PRESSURE/SHUTDOWN COOLING SYSTEM INTERLOCKS - MILLSTONE  
NUCLEAR POWER STATION, UNIT NO. 2 (TAC NO. MA1649)

Dear Mr. Bowling:

By letter dated April 29, 1998, Northeast Nuclear Energy Company (NNECO) proposed to change the Final Safety Analysis Report (FSAR) for the Millstone Nuclear Power Station, Unit No. 2 (MNPS2) through an amendment to Facility Operating License No. DPR-65. This request results from its determination that the existing low-range pressurizer pressure transmitters in the shutdown cooling (SDC) system interlocks are susceptible to high inaccuracies during conditions of harsh environment following a loss-of-coolant accident or a main steamline break inside containment. The replacement of these transmitters will result in the elimination of transmitter diversity as described in the MNPS2 FSAR. NNECO has determined that this deviation involves an unreviewed safety question (USQ), as defined in Title 10 of the Code of Federal Regulations (10 CFR) 50.59.

The NRC staff has reviewed the submittal and finds that NNECO has not considered the diversity provided by the switch in the control room that removes power to one of the motor-operated valves in the SDC system flow path in its evaluation of the high/low pressure interface design.

The NRC staff has concluded, as detailed in the enclosed Safety Evaluation, that NNECO should perform a new safety evaluation under the provisions of 10 CFR 50.59 to determine if a USQ exists when taking into account the diversity provided by removing power to one of the motor-operated valves in the SDC system flow path. Depending on its findings, NNECO may be able to withdraw its current application for an amendment to the MNPS2 Facility Operating License No. DPR-65 and proceed to the change the MNPS2 licensing basis and associated FSAR revision under the provisions of 10 CFR 50.59. If NNECO determines that a USQ still exists, it may supplement the current application by providing the results of new safety evaluation to support its request for a license amendment.

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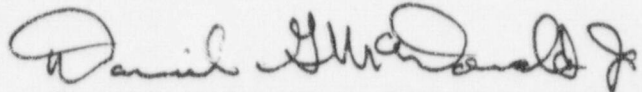
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The subject TAC number will remain open until NNECO requests the withdrawal of its amendment request or provides additional information, as the result of its new safety evaluation, to support the requested amendment. Please respond by December 11, 1998, which was agreed to by Ravi Joshi of your staff. Should a situation occur that would prevent you from meeting this due date or have any questions, please contact me at 301-415-1408.

Sincerely,



Daniel G. McDonald, Jr., Senior Project Manager  
Millstone Project Directorate  
Division of Reactor Projects - 1/11  
Office of Nuclear Reactor Regulation

Docket No. 50-336

Enclosure: Safety Evaluation

cc w/encl: See next page

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Sincerely,

Original signed by:

Daniel G. McDonald, Jr., Senior Project Manager  
Millstone Project Directorate  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-336

Enclosure: Safety Evaluation

cc w/encl: See next page

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