

October 22, 1998

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, CT 06385

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING TECHNICAL SPECIFICATION AMENDMENT REQUEST - MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2 (TAC NO. MA3410)

Dear Mr. Bowling:

By letter dated August 12, 1998, Northeast Nuclear Energy Company (NNECO) requested a Technical Specification (TS) amendment that would update the list of documents, which describe the analytical methods used to determine the core operating limits, specified in TS 6.9.1.8b. The plant-specific analysis used by NNECO for the steamline break utilizes the revised Siemens Power Corporation methodology, which is currently being reviewed by the NRC staff.

The NRC staff has completed a preliminary review of your request and has identified issues that require additional information. Please respond to the enclosed request for additional information by November 13, 1998, which was agreed to by Ravi Joshi of your staff. Should a situation occur that would prevent you from meeting this due date, please contact me at 301-415-1408.

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: As stated

cc w/encl: See next page

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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Recovery Officer - Technical Services  
Northeast Nuclear Energy Company  
c/o Ms. Patricia A. Loftus  
Director - Regulatory Affairs  
P.O. Box 128  
Waterford, CT 06385

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING TECHNICAL  
SPECIFICATION AMENDMENT REQUEST - MILLSTONE NUCLEAR POWER  
STATION, UNIT NO. 2 (TAC NO. MA3410)

Dear Mr. Bowling:

By letter dated August 12, 1998, Northeast Nuclear Energy Company (NNECO) requested a Technical Specification (TS) amendment that would update the list of documents, which describe the analytical methods used to determine the core operating limits, specified in TS 6.9.1.8b. The plant-specific analysis used by NNECO for the steamline break utilizes the revised Siemens Power Corporation methodology, which is currently being reviewed by the NRC staff.

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REQUEST FOR ADDITIONAL INFORMATION

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

DOCKET NO. 50-336

1. The values assumed in the steamline break (SLB) analysis are listed in Table 3.1 (EMF-98-036) for the thermal-hydraulic parameters and in Table 3.3 for the different trip setpoints and delay times for actuation of various safety-related systems. The values are different from the current Final Safety Analysis Report (FSAR) values listed in FSAR Tables 14.1.5-3 and 14.1.5-4. The break size for the limiting case is also different from the FSAR value.

Please identify all the changes to the input parameters that are important to the results of the SLB analysis and provide the technical basis to demonstrate the acceptance of each change.

2. The results of the analysis indicate that 0.5 percent of the fuel in the core will fail during an SLB event while the FSAR SLB calculations show no fuel failure.

Please provide technical basis to show the acceptance of the proposed SLB analysis with fuel failure. In addition, provide an example calculation to show that the fuel failure will be limited to 0.5 percent of the fuel in the core due to fuel centerline melt.

Enclosure

Millstone Nuclear Power Station  
Unit 2

cc:

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Unit 2

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