

September 16, 1998

Mr. Martin L. Bowling  
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. MA2340)

Dear Mr. Bowling:

By letter dated July 21, 1998, Northeast Nuclear Energy Company requested a Technical Specification (TS) amendment that would change the TS for the Reactor Protection System (RPS) and the Engineered Safety Features Actuation System (ESFAS) instrumentation by relating to various setpoints and allowable values; correct the specified maximum reactor power level limited by the high power level RPS trip; add new TS, and requirements associated with the automatic isolation of steam generator blowdown; and make several editorial corrections.

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 within 30 days from receipt of this letter in order for the staff to complete its review.

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

Distribution:

Locket File	LBerry	ACRS	
PUBLIC	DMcDonald	SAthavale, HICB	
MSPD Reading	WDean	CDoutt, HICB	DScrenci, RI
OGC	Elmbro	JDurr, RI	JZwolinski

11  
DFU

DOCUMENT NAME: G:\MA2340.ra1

To receive a copy of this document, indicate in the box "C" copy w/o attach/encl "E" copy w/attach/encl "N" no copy

OFFICE	MSPD-PM	MSPD-LA	MSPD:D	
NAME	DMcDonald	LBerry	WDean	
DATE	9/15/98	9/15/98	9/16/98	1/98

OFFICIAL RECORD COPY

9809230344 980916  
PDR ADDCK 05000336  
P PDR

NRC FILE CENTER COPY



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

September 16, 1998

Mr Martin L. Bowling  
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. MA2340)

Dear Mr. Bowling:

By letter dated July 21, 1998, Northeast Nuclear Energy Company requested a Technical Specification (TS) amendment that would change the TS for the Reactor Protection System (RPS) and the Engineered Safety Features Actuation System instrumentation by relating to various setpoints and allowable values; correct the specified maximum reactor power level limited by the high power level RPS trip; add new TS, and requirements associated with the automatic isolation of steam generator blowdown; and make several editorial corrections.

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 within 30 days from receipt of this letter in order for the staff to complete its review.

Sincerely,

A handwritten signature in cursive script, appearing to read "Daniel G. McDonald Jr.", written in dark ink.

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

Millstone Nuclear Power Station  
Unit 2

cc:

Lillian M. Cuoco, Esquire  
Senior Nuclear Counsel  
Northeast Utilities Service Company  
P. O. Box 270  
Hartford, CT 06111-0270

Mr. John Buckingham  
Department of Public Utility Control  
Electric Unit  
10 Liberty Square  
New Britain, CT 06051

Mr. Kevin T. A. McCarthy, Director  
Monitoring and Radiation Division  
Department of Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127

Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

First Selectmen  
Town of Waterford  
Hall of Records  
200 Boston Post Road  
Waterford, CT 06385

Mr. Wayne D. Lanning, Director  
Millstone Inspections  
Office of the Regional Administrator  
475 Allendale Road  
King of Prussia, PA 19406-1415

Charles Brinkman, Manager  
Washington Nuclear Operations  
ABB Combustion Engineering  
12300 Twinbrook Pkwy, Suite 330  
Rockville, MD 20852

Senior Resident Inspector  
Millstone Nuclear Power Station  
c/o U.S. Nuclear Regulatory Commission  
P.O. Box 513  
Niantic, CT 06357

Mr. F. C. Rothen  
Vice President - Work Services  
Northeast Utilities Service Company  
P. O. Box 128  
Waterford, CT 06385

Ernest C. Hadley, Esquire  
1040 B Main Street  
P.O. Box 549  
West Wareham, MA 02576

Mr. John F. Streeter  
Recovery Officer - Nuclear Oversight  
Northeast Utilities Service Company  
P. O. Box 128  
Waterford, CT 06385

Mr. David B. Amerine  
Vice President - Human Services  
Northeast Utilities Service Company  
P. O. Box 128  
Waterford, CT 06385

Mr. Allan Johanson, Assistant Director  
Office of Policy and Management  
Policy Development and Planning  
Division  
450 Capitol Avenue - MS# 52ERN  
P. O. Box 341441  
Hartford, CT 06134-1441

Mr. M. H. Brothers  
Vice President - Operations  
Northeast Nuclear Energy Company  
P.O. Box 128  
Waterford, CT 06385

Mr. J. A. Price  
Director - Unit 2  
Northeast Nuclear Energy Company  
P.O. Box 128  
Waterford, CT 06385

Millstone Nuclear Power Station  
Unit 2

cc:

Mr. B. D. Kenyon (Acting)  
Chief Nuclear Officer - Millstone  
Northeast Nuclear Energy Company  
P.O. Box 128  
Waterford, CT 06385

Citizens Regulatory Commission  
ATTN: Ms. Susan Perry Luxton  
180 Great Neck Road  
Waterford, CT 06385

Deborah Katz, President  
Citizens Awareness Network  
P. O. Box 83  
Shelburne Falls, MA 03170

The Honorable Terry Concannon  
Co-Chair  
Nuclear Energy Advisory Council  
Room 4035  
Legislative Office Building  
Capitol Avenue  
Hartford, CT 06106

Mr. Evan W. Woollacott  
Co-Chair  
Nuclear Energy Advisory Council  
128 Terry's Plain Road  
Simsbury, CT 06070

Little Harbor Consultants, Inc.  
Millstone - ITPOP Project Office  
P. O. Box 0630  
Niantic, CT 06357-0630

Mr. Daniel L. Curry  
Project Director  
Parsons Power Group Inc.  
2675 Morgantown Road  
Reading, PA 19607

Attorney Nicholas J. Scobbo, Jr.  
Ferriter, Scobbo, Caruso, Rodophele, PC  
1 Beacon Street, 11th Floor  
Boston, MA 02108

Mr. J. P. McElwain  
Recovery Officer - Millstone Unit 2  
Northeast Nuclear Energy Company  
P. O. Box 128  
Waterford, Connecticut 06385

REQUEST FOR ADDITIONAL INFORMATION

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

DOCKET NO. 50-336

1. The NRC staff has not reviewed or approved the ISA-RP67.04, Part II, 1994 Standard. The approved standard, which provides guidance for setpoint (SP) calculations for instrumentation in safety-related systems, is ISA 67-04, 1982, which has been endorsed by the NRC staff in Regulatory Guide 1.105, Rev. 2.

Please confirm the following, since the SP methodology used by Northeast Nuclear Energy Company (NNECO) is based on ISA-RP67.04, Part II, 1994 Standard, which has not yet been approved by the NRC:

- (a) That the methodology used by NNECO treats all elements of the instrument loop uncertainties in the same way that is prescribed by the 1982 version of the ISA standard.
  - (b) That the selected nominal SP will always initiate the required mitigating action(s) prior to the monitored variable encroaching its analytical limit when considering all elements of instrument uncertainties and the response time of the actuated equipment/system. Please provide a description of the allowable value (AV) and its development with respect to the analytical limit and trip SP.
  - (c) That the calculation of the AV is consistent with the channel functional test and calibration surveillance requirements in that the uncertainty terms included in the AV calculation are representative of the associated component uncertainties under test. (Reference IEEE-338)
2. The current surveillance frequency at the Millstone Nuclear Power Station, Unit No. 2, is 18 months. However, as noted in the submittal, the revised SP calculations are based on 24 months drift, which is conservative with regard to SP determination. Please confirm that the surveillance-test-acceptance criteria for the 18-month surveillance test is compatible to the drift-values used in SP calculations. Please note that the staff's review of the referred submittal is limited to revised SP/AV calculations only and does not include areas relating to extending surveillance frequency from 18 months to 24 months including drift extension methodology.

Enclosure