

DCS-MS-016

Docket No. 50-336

APR 13 1982

- ✓ Docket File
- NRC PDR
- Local PDR
- ORB Rdg
- DEisenhut
- MConner
- PKreutzer
- OELD
- SECY
- OI&E (2)
- TBarnhart-4
- LSchneider (1)
- DBrinkman
- Tech Branch
- ACRS (10)
- OPA
- RDiggs
- RBallard
- NSIC
- ASLAB
- RLobato



Mr. W. G. Council, Vice President  
 Nuclear Engineering & Operations  
 Northeast Nuclear Energy Company  
 P. O. Box 270  
 Hartford, Connecticut 06101

Dear Mr. Council:

The Commission has issued the enclosed Amendment No. 76 to Facility Operating License No. DPR-65 for Millstone Nuclear Power Station, Unit No. 2. The amendment consists of a temporary change to the Technical Specifications (TS) in response to your March 20, 1982 application, received on the same date via telecopy. This amendment was authorized (as modified from your request to meet our requirements and agreed to by your staff) by telephone on March 20, 1982 and confirmed by letter dated March 23, 1982.

This amendment changes TS-3.7.1.2 to allow 72 additional hours to return the steam turbine-driven auxiliary feedwater pump to service following its failure at 10:40 p.m. on March 18, 1982. This amendment was issued on an expedited basis to permit continued plant operation while the pump repairs were made.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

Original signed by:

Eben L. Conner, Project Manager  
 Operating Reactors Branch #3  
 Division of Licensing

Enclosures

1. Amendment No. 76 to DPR-65
2. Safety Evaluation
3. Notice of Issuance

cc: See next page

820429 0045

*Concur in license amendment and Fed Reg. with only subject to corrections of typos in amendment and attachment.*

OFFICE	DL:ORB#3	DL:ORB#3	DL:ORB#3	AD:DL	OELD	
SURNAME	PKreutzer	MConner	RAClark	TNovak	M. Potokchil	
DATE	3/31/82	4/1/82	4/1/82	4/3/82	4/9/82	

Northeast Nuclear Energy Company

cc:

William H. Cuddy, Esquire  
Day, Berry & Howard  
Counselors at Law  
One Constitution Plaza  
Hartford, Connecticut 06103

Mr. Charles Brinkman  
Manager - Washington Nuclear  
Operations  
C-E Power Systems  
Combustion Engineering, Inc.  
4853 Cordell Aven., Suite A-1  
Bethesda, MD 20014

Mr. Lawrence Bettencourt, First Selectman  
Town of Waterford  
Hall of Records - 200 Boston Post Road  
Waterford, Connecticut 06385

Northeast Nuclear Energy Company  
ATTN: Superintendent  
Millstone Plant  
Post Office Box 128.  
Waterford, Connecticut 06385

Waterford Public Library  
Rope Ferry Road, Route 156  
Waterford, Connecticut 06385

U. S. Environmental Protection Agency  
Region I Office  
ATTN: Regional Radiation  
Representative  
John F. Kennedy Federal Building  
Boston, Massachusetts 02203

Northeast Utilities Service Company  
ATTN: Mr. Richard T. Laudenat, Manager  
Generation Facilities Licensing  
P. O. Box 270  
Hartford, Connecticut 06101

Mr. John Shedlosky  
Resident Inspector/Millstone  
c/o U.S.N.R.C.  
P. O. Drawer KK  
Niantic, CT 06357

Regional Administrator  
Nuclear Regulatory Commission, Region I  
Office of Executive Director for Operations  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

cc w/enclosure(s) and incoming  
dtd: 3/ 20/82

Office of Policy & Management  
ATTN: Under Secretary Energy  
Division  
80 Washington Street  
Hartford, Connecticut 06115



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

NORTHEAST NUCLEAR ENERGY COMPANY

THE CONNECTICUT LIGHT AND POWER COMPANY

THE HARTFORD ELECTRIC LIGHT COMPANY

THE WESTERN MASSACHUSETTS ELECTRIC COMPANY

DOCKET NO. 50-336

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 76  
License No. DPR-65

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Northeast Nuclear Energy Company, et al. (the licensee) dated March 20, 1982, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

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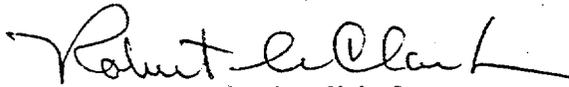
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-65 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 76 are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment was effective March 20, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert A. Clark, Chief  
Operating Reactors Branch #3  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: April 13, 1982

ATTACHMENT TO LICENSE AMENDMENT NO. 76

FACILITY OPERATING LICENSE NO. DPR-65

DOCKET NO. 50-336

Remove and replace the following page of the Appendix A Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change. The corresponding over leaf page is also provided to maintain document completeness.

Remove

3/4 7-4

Replace

3/4 7-4

MILLSTONE - UNIT 2

3/4 7-3

Amendment No. 52

TABLE 4.7-1  
STEAM LINE SAFETY VALVES

<u>VALVE NUMBERS</u>	<u>LIFT SETTING (± 1%)</u>	<u>ORIFICE SIZE</u>
a. 2-MS-246 & 2-MS-247	1000 psia	4.515 in. <sup>2</sup>
b. 2-MS-242 & 2-MS-254	1005 psia	4.515 in. <sup>2</sup>
c. 2-MS-245 & 2-MS-249	1015 psia	4.515 in. <sup>2</sup>
d. 2-MS-241 & 2-MS-252	1025 psia	4.515 in. <sup>2</sup>
e. 2-MS-244 & 2-MS-251	1035 psia	4.515 in. <sup>2</sup>
f. 2-MS-240 & 2-MS-250	1045 psia	4.515 in. <sup>2</sup>
g. 2-MS-239, 2-MS-243, 2-MS-248 & 2-MS-253	1050 psia	4.515 in. <sup>2</sup>

PLANT SYSTEMS

AUXILIARY FEEDWATER PUMPS

LIMITING CONDITION FOR OPERATION

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3.7.1.2 At least three steam generator auxiliary feedwater pumps shall be OPERABLE with:

- a. Two feedwater pumps capable of being powered from separate OPERABLE emergency busses, and
- b. One feedwater pump capable of being powered from an OPERABLE steam supply system.

APPLICABILITY: MODES 1, 2, and 3.

ACTION:

With one auxiliary feedwater pump inoperable, restore at least three auxiliary feedwater pumps (two capable of being powered from separate OPERABLE emergency busses and one capable of being powered by an OPERABLE steam supply system) to OPERABLE status within 48 hours\* or be in HOT SHUTDOWN within the next 12 hours.

SURVEILLANCE REQUIREMENTS

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4.7.1.2 Each auxiliary feedwater pump shall be demonstrated OPERABLE:

- a. At least once per 31 days by:
  1. Starting each pump from the control room,
  2. Verifying that:
    - a) Each motor driven pump develops a discharge pressure of  $\geq 1070$  psig on recirculation flow, and
    - b) The steam turbine driven pump develops a discharge pressure of  $\geq 1080$  psig on recirculation flow.

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\*For repair efforts commencing on March 18, 1982 only, an additional 72 hour period is allowed, ending at 10:40 p.m. on March 23, 1982.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 76 TO

FACILITY OPERATING LICENSE NO. DPR-65

NORTHEAST NUCLEAR ENERGY COMPANY ET AL.

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

DOCKET NO. 50-336

Introduction and Background

By application dated March 20, 1982, Northeast Nuclear Energy Company (NNECO or the licensee) requested an amendment of Facility Operating License No. DPR-65 for the Millstone Nuclear Power Station, Unit No. 2 (Millstone-2 or the facility). The amendment request consists of a one time extension of the steam turbine-driven auxiliary feedwater system (AFWS) pump inoperability requirements (TS-3.7.1.2) from 48 hours to 7 days (total). This request resulted from finding the AFWS pump inoperable due to mechanical-wear-caused binding of the shaft at 10:40 p.m. on Thursday, March 18, 1982. Although NNECO and the pump manufacturer worked on the pump round the clock, it was obvious by Saturday morning that serviceability in the required 48 hours (TS-3.7.1.2) would not be possible.

Discussion and Evaluation

NNECO states that two redundant, 100 percent capacity motor driven pumps are available to supply AFWS flow to the steam generators (SGs) in the event of a plant trip. These two pumps are powered by redundant diesel generators as well as the two normal off-site power sources. This remaining design (two redundant motor driven pumps), is consistent with the other engineered safety feature systems at Millstone-2. They, therefore, conclude that, for the short period of time during which power operation will continue with the steam driven pump out of service (7 days), the increased risk to the public health and safety is negligible.

In reviewing the proposed TS change on Saturday, March 20, 1982, the staff concluded that the change was technically acceptable. However, in further discussions with the NNECO maintenance personnel, it appeared that only about 3 days would be needed to complete the repair. Therefore, we find an additional 72 hours out-of-service time for the steam driven AFWS pump all that is necessary for the desired continued plant operations during the repair period. In actuality, the steam turbine - driven AFWS pump was returned to service at 2:35 p.m. on Monday, March 22, 1982. Therefore, the proposed TS change previously authorized by telephone on March 20, 1982 is no longer in effect.

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### Environmental Consideration

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

### Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: April 13, 1982

Principal Distributors:

Monte Conner  
Thomas Novak  
Robert Clark  
Rich Lobe1

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-336NORTHEAST NUCLEAR ENERGY COMPANY, ET AL.NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 76 to Facility Operating License No. DPR-65, issued to Northeast Nuclear Energy Company, the Connecticut Light and Power Company, the Hartford Electric Light Company, and the Western Massachusetts Electric Company (the licensee), which revised Technical Specifications for operation of the Millstone Nuclear Power Station, Unit No. 2 (the facility) located in the Town of Waterford, Connecticut. The amendment was effective March 20, 1982.

The amendment changes the Technical Specifications to allow 72 additional hours to return the steam turbine driven auxiliary feedwater pump to service following its failure at 10:40 p.m. on March 18, 1982. The amendment was issued on an expedited basis to permit continued plant operation while pump repairs were made.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

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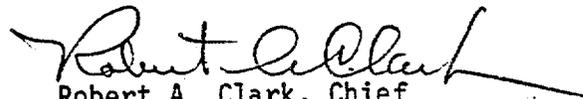
-2-

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated March 20, 1982 (2) Amendment No. 76 to License No. DPR-65, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. and at the Waterford Public Library, Rope Ferry Road, Waterford, Connecticut. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 13th day of April, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Robert A. Clark, Chief  
Operating Reactors Branch #3  
Division of Licensing