

August 11, 1994

Docket No. 50-336

Mr. John F. Opeka
Executive Vice President, Nuclear
Connecticut Yankee Atomic Power Company
Northeast Nuclear Energy Company
Post Office Box 270
Hartford, Connecticut 06141-0270

Dear Mr. Opeka:

SUBJECT: ISSUANCE OF AMENDMENT (TAC NO. M89735)

The Commission has issued the enclosed Amendment No. 178 to Facility Operating License No. DPR-65 for Millstone Nuclear Power Station, Unit No. 2, in response to your application dated April 14, 1994, as supplemented by letter dated April 20, 1994.

The amendment revises the Technical Specifications to change the Administrative Controls section to require an individual who serves as the Operations Manager to either hold a Millstone Unit 2 Senior Reactor Operator (SRO) license or have an SRO license at another pressurized water reactor. If the Operations Manager does not hold a Millstone Unit 2 SRO license, then an individual serving as the Assistant Operations Manager would be required to possess an SRO license at Millstone Unit 2.

A copy of the related Safety Evaluation is also enclosed. The notice of issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

Original signed by:

Guy S. Vissing, Senior Project Manager
Project Directorate I-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

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- Enclosures:
1. Amendment No. 178 to DPR-65
 2. Safety Evaluation
- cc w/enclosures:
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DATE	<i>7/26/94</i>	<i>7/26/94</i>	<i>7/26/94</i>	<i>8/11/94</i>	<i>/ /94</i>	<i>/ /94</i>

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Mr. John F. Opeka
Northeast Nuclear Energy Company

Millstone Nuclear Power Station
Unit 2

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

NORTHEAST NUCLEAR ENERGY COMPANY
THE CONNECTICUT LIGHT AND POWER COMPANY
THE WESTERN MASSACHUSETTS ELECTRIC COMPANY
DOCKET NO. 50-336
MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 178
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 June 24, 1994, 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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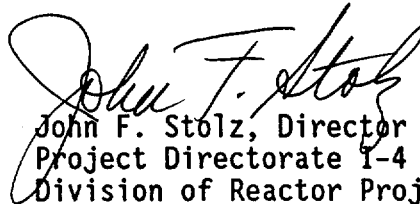
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-65 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 178, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John F. Stolz, Director
Project Directorate I-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: August 11, 1994

ATTACHMENT TO LICENSE AMENDMENT NO. 178

FACILITY OPERATING LICENSE NO. DPR-65

DOCKET NO. 50-336

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised pages are identified by amendment number and contain vertical lines indicating the areas of change.

Remove

6-2
6-3

Insert

6-2
6-3

ADMINISTRATIVE CONTROLS

FACILITY STAFF (CONTINUED)

- d. An individual qualified in radiation protection procedures shall be on site when fuel is in the reactor. (Table 6.2-1)
- e. ALL CORE ALTERATIONS after the initial fuel loading shall be directly supervised by either a licensed Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling who has no other concurrent responsibilities during this operation.
- f. A site Fire Brigade of at least 5 members shall be maintained onsite at all times. (Table 6.2-1) The Fire Brigade shall not include 2 members of the minimum shift crew necessary for safe shutdown of the unit or any personnel required for other essential functions during a fire emergency.
- g. Administrative procedures shall be developed and implemented to limit the working hours of unit staff who perform safety-related functions. These procedures should follow the general guidance of the NRC Policy Statement on working hours (Generic Letter No. 82-12).

6.3 FACILITY STAFF QUALIFICATIONS

- 6.3.1 Each member of the facility staff shall meet or exceed the minimum qualifications of ANSI N18.1-1971 for comparable positions, except for:
- a. If the Operations Manager does not hold a senior reactor operator license for Millstone Unit No. 2, then the Operations Manager shall have held a senior reactor operator license at a Pressurized Water Reactor other than Millstone Unit No. 2 and an individual serving in the capacity of the Assistant Operations Manager shall hold a senior reactor operator license for Millstone Unit No. 2.
 - b. The Shift Technical Advisor (STA) who shall meet the requirements of Specification 6.3.1.b.1 or 6.3.1.b.2.
 - 1. Dual-role individual: Must hold a senior reactor operator's license at Millstone Unit No. 2, meet the STA training criteria of NUREG-0737, Item I.A.1.1, and meet one of the following educational alternatives:
 - a. Bachelor's degree in engineering from an accredited institution;
 - b. Professional Engineer's license obtained by the successful completion of the PE examination;

ADMINISTRATIVE CONTROLS

- c. Bachelor's degree in engineering technology from an accredited institution, including course work in the physical, mathematical, or engineering sciences;
 - d. Bachelor's degree in a physical science from an accredited institution, including course work in the physical, mathematical, or engineering sciences;
 - e. Successful completion of the Memphis State University (MSU) STA program. (Note: This alternative is only acceptable for individuals who have completed the program prior to December 31, 1986); or
 - f. Successful completion of the Thames Valley State Technical College associate's degree in Nuclear Engineering Technology program, provided that the individual was enrolled in the program by October 1, 1987.
2. Dedicated STA: Must meet the STA training criteria of NUREG-0737, Item I.A.1.1, and have received specific training in plant design, and response and analysis of the plant for transients and accidents.
- c. The Health Physics Manager who shall meet or exceed the qualifications of Regulatory Guide 1.8, Revision 1.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 178

TO FACILITY OPERATING LICENSE NO. DPR-65

NORTHEAST NUCLEAR ENERGY COMPANY

THE CONNECTICUT LIGHT AND POWER COMPANY

THE WESTERN MASSACHUSETTS ELECTRIC COMPANY

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

DOCKET NO. 50-336

1.0 INTRODUCTION

By letter dated June 24, 1994, the Northeast Nuclear Energy Company (NNECO or the licensee) requested an amendment to change the Technical Specifications (TS) for the Millstone Nuclear Power Station, Unit No. 2. The proposed amendment would revise the Administrative Controls section (TS 6.3.1) to require an individual who serves as the Operations Manager to either hold a Millstone Unit 2 senior reactor operator (SRO) license or hold an SRO license at another pressurized water reactor. If the Operations Manager does not hold a Millstone Unit 2 SRO license, then an individual serving as the Assistant Operations Manager would be required to possess an SRO license at Millstone Unit 2.

2.0 BACKGROUND AND DISCUSSION

The intent of the licensee's proposed amendment is to strengthen the Millstone Unit 2 Operations Department and to improve the operational performance of Millstone Unit 2. The planned organizational changes would permit an individual to serve in the role of Operations Manager who possesses skills and experience diverse from Millstone Unit 2. The proposed changes would allow the licensee to continue with their efforts to enhance the performance of the Millstone Unit 2 Operations Department. The proposed change would require an individual who serves as the Operations Manager to either hold a Millstone Unit 2 SRO or have held an SRO license at another pressurized water reactor. If the Operations Manager does not hold a Millstone Unit 2 SRO license, then an individual serving as the Assistant Operations Manager (newly created position) would be required to possess an SRO license at Millstone Unit 2. This individual would be required to meet the requirements for and would have the responsibilities as recommended by the American Nuclear Standards Institute (ANSI)/American National Standard (ANS)-3.1-1987 for the Operations Middle Manager position. TS 6.3.1 currently endorses ANSI N18.1-1971. This standard recommends that the Operations Manager hold an SRO license for the

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unit. The proposed request is requesting a limited exception to ANSI N18.1-1971. Specifically, the exception would require the Assistant Operations Manager (functionally equivalent to Operations Middle Manager referenced in ANSI/ANS-3.1-1987) to hold and continue to hold an SRO license if the Operations Manager does not hold an SRO license for the unit. The proposed changes have been requested on an exigent basis to permit the licensee to accelerate the organizational changes that would strengthen the Millstone Unit 2 Operations Department.

3.0 EVALUATION

The Millstone Unit 2 Operations Manager is currently required to hold an SRO license. In their submittal dated June 24, 1994, NNECO proposed changes to the Millstone Unit 2 TS modifying this requirement. The proposed modification would require an individual who serves as the Operations Manager to either hold a Millstone Unit 2 SRO license or have held an SRO license at another pressurized water reactor. If the Operations Manager does not hold an Millstone Unit 2 SRO license but meets the remaining Operations Manager qualifications described in ANSI N18.1-1971, "Selection and Training of Nuclear Power Plant Personnel," then an individual serving as the Assistant Operations Manager will be required to hold a Millstone Unit 2 SRO license. The individual serving as Assistant Operations Manager will be required to meet the qualification requirements described in Section 4.3.8, Operations, of ANSI/ANS-3.1-1987, "American National Standard for Selection, Qualification, and Testing of Personnel for Nuclear Power Plants."

The Code of Federal Regulations at 10 CFR 50.54(1) requires the licensee to "designate individuals to be responsible for directing the licensed activities of licensed operators. These individuals shall be licensed as senior operators...." Additionally, the licensee has committed to ANSI N18.1-1971, "Selection and Training of Nuclear Power Plant Personnel," for Millstone Unit 2. ANSI N18.1-1971 requires the Operations Manager to hold, at time of appointment to the active position, an SRO license. This standard is intended to ensure that the Operations Manager has the necessary and relevant operational experience and knowledge for the particular reactor technology in question. The staff maintains that an individual who holds or has held an SRO license at a PWR has sufficient and relevant operational experience and knowledge to fill the position of Operations Manager at another PWR. Similarly, if that individual holds or has held a license at a BWR he or she has sufficient and relevant operational experience to fill the Operations Manager position at another BWR.

The staff concludes that the specification that either the Operations Manager or Assistant Operations Manager hold a Millstone Unit 2 SRO license, is consistent with the requirements of 10 CFR 50.54(1) and ensures that a licensed off-shift senior operator is directing the licensed activities of the licensed operators. Requiring an ANSI/ANS-3.1-1987 qualified and licensed Assistant Operations Manager when the Operations Manager does not hold a valid Millstone Unit 2 SRO license is consistent with the requirements of ANSI N18.1-1971 and ensures there is site-specific detailed relevant technical and systems knowledge in a senior operations management position.

Therefore, the staff concludes that the proposed modifications and additions to the Millstone Unit 2 TS modifying the requirements for the operations management individual required to hold a valid Millstone Unit 2 SRO license is consistent with and meets the intent of the relevant review criteria and is, therefore, acceptable.

4.0 TECHNICAL SPECIFICATION CHANGES

The following TS changes have been proposed. The staff finds these changes acceptable.

- (1) For TS 6.3.1, Item (a.) would be changed to:

"If the Operations Manager does not hold a senior reactor operator license for Millstone Unit 2, then the Operations Manager shall have held a senior reactor operator license at a Pressurized Water Reactor other than Millstone Unit 2 and an individual serving in the capacity of the Assistant Operations Manager shall hold a senior reactor operator license for Millstone Unit 2"

- (2) For TS 6.3.1, Item (c.) (current Item (a.)) would be added and read as follows:

"The Health Physics Manager who shall meet or exceed the qualifications of Regulatory Guide 1.8, Revision 1."

5.0 EXIGENT CIRCUMSTANCES

Pursuant to 10 CFR 50.91(a)(6), the licensee requested the proposed amendment on an exigent basis. The proposed changes would permit Millstone Unit 2 to accelerate efforts to strengthen the Millstone Unit 2 Operations Department. The decision to make the organizational changes which would be permitted by the proposed license amendment was only recently finalized. Requesting the amendment in anticipation of this decision and thereby obviating the need for exigent treatment of this the request would have been premature.

Notice of the staff's proposed determination that this proposed amendment involves no significant hazards consideration was published in the Federal Register on July 7, 1994 (59 FR 34872). Given that this notice has provided 30 days notice as required by 10 CFR 50.91(a)(2), there is no need to issue the amendment on an exigent basis. The Commission has made a final determination that the proposed amendment does not involve a significant hazards consideration, as discussed in Section 6.0.

6.0 FINAL NO SIGNIFICANT HAZARDS CONSIDERATION DETERMINATION

The Commission has made a final determination that the amendment involves no significant hazards consideration. Under the Commission's regulations in 10 CFR 50.92(c), this means that the operation of the facility in accordance with the proposed amendment would not (1) Involve a significant increase in the

probability or consequences of an accident previously evaluated; or (2) Create the possibility of a new or different kind of accident from any accident previously evaluated; or (3) Involve a significant reduction in a margin of safety.

The Commission has evaluated the proposed changes against the above standards as required by 10 CFR 50.91(a) and has concluded that the changes do not:

1. Involve a significant increase in the probability or consequences of an accident previously evaluated.

The proposed change affects an administrative control, which was based on the guidance of ANSI N18.1-1971. ANSI N18.1-1971 recommended that the Operations Manager hold an SRO license. The current guidance in Section 4.2.2. of ANSI/ANS-3.1-1987 recommends, as one option, that the Operations Manager have held a license for a similar unit and the Operations Middle Manager hold an SRO license. While the Operations Middle Manager position does not exist at Millstone Unit 2, the licensee has proposed to create the position of Assistant Operations Manager (staffed by an individual with an SRO license at Millstone Unit 2). This individual would be required to meet the requirements for, and would have responsibilities as recommended in ANSI/ANS-3.1-1987 for the Operations Middle Manager position.

Therefore, the proposed change requests an exception to ANSI N18.1-1971 to allow use of ANSI/ANS-3.1-1987 in a limited circumstance. Specifically, the proposed revision to Technical Specification 6.3.1 would require the Operations Manager to either hold an SRO license at Millstone Unit 2 or have held an SRO at a pressurized water reactor (PWR) other than Millstone Unit 2.

If the Operations Manager does not hold an SRO license at Millstone Unit 2, the proposal will require the Assistant Operations Manager to hold, and continue to hold, an SRO license. The proposed change includes the requirement to have held a license for a similar unit (a PWR) in accordance with Section 4.2.2 of ANSI/ANS-3.1-1987, if the Operations Manager does not hold an SRO license at Millstone Unit 2. For those areas of knowledge that require an SRO license, the Assistant Operations Manager will hold an SRO license and provide technical guidance normally provided by the Operations Manager.

The proposed change does not alter the design of any system, structure, or component, nor does it change the way plant systems are operated. It does not reduce the knowledge, qualifications, or skills of licensed operators, and does not affect the way the Operations Department is managed by the Operations Manager. The Operations Manager will continue to maintain the effective performance of his personnel and ensure the plant is operated safely and in accordance with the requirements of the operating license. Additionally, the Control Room operators will continue to be supervised by the licensed Shift Supervisors.

The proposed change does not detract from the Operations Manager's ability to perform his primary responsibilities. In this case, by having previously held an SRO license for a similar unit, he has achieved the necessary training, skills and experience to fully understand the operation of plant equipment and the watch requirements for operators.

In summary, the proposed change does not affect the ability of the Operations Manager to provide the plant oversight required of his position. Thus, it does not involve a significant increase in the probability or consequences of an accident previously evaluated.

2. Create the possibility of a new or different kind of accident from any accident previously evaluated.

The proposed change to Technical Specification 6.3.1 does not affect the design or function of any plant system, structure, or component, nor does it change the way plant systems are operated. It does not affect the performance of NRC licensed operators. Operation of the plant in conformance with technical specifications and other license requirements will continue to be supervised by personnel who hold an NRC SRO license. The proposed change to technical Specification 6.3.1 ensures that the Operations Manager will be a knowledgeable and qualified individual by requiring the individual to have held an SRO license at a PWR. Based on the above, the proposed change does not create the possibility of a new or different kind of accident from any previously evaluated.

3. Involve a significant reduction in a margin of safety.

The proposed change involves an administrative control which is not related to the margin of safety as defined in the technical specifications. The proposed change does not reduce the level of knowledge or experience required of an individual who fills the Operations Manager position, nor does it affect the conservative manner in which the plant is operated. The Control Room operators will continue to be supervised by personnel who hold an SRO license. Thus, the proposed changes do not involve a significant reduction in a margin of safety.

7.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Connecticut State official was notified of the proposed issuance of the amendment. The State official had no comments.

8.0 ENVIRONMENTAL CONSIDERATION

The amendment relates to changes in recordkeeping, reporting or administrative procedures or requirements. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

9.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributors: G. Vissing
R. Pelton

Date: August 11, 1994