

JUN 20 1977

Dockets Nos. 50-245
and 50-336

Northeast Nuclear Energy Company
ATTN: Mr. D. C. Switzer
President
P. O. Box 270
Hartford, Connecticut 06101

Gentlemen:

The Commission has issued the enclosed Amendment No. 38 to Provisional Operating License No. DPR-21 and Amendment No. 28 to Facility Operating License No. DPR-65 for the Millstone Nuclear Power Station, Units Nos. 1 and 2. The amendments consist of changes to the Technical Specifications in response to your application dated March 11, 1977.

This amendment will provide for (1) delegation of responsibility to the Unit Superintendents for operation of Millstone Units Nos. 1 and 2, (2) the addition of a new member to the Millstone Units Nos. 1 and 2 Plant Operations Review Committees (PORCs), (3) a change to the responsibilities of the PORCs and the Site Operations Review Committee (SORC) to accommodate the review of procedures which are common to both Units, and (4) establishment of additional qualifications for the Health Physics Supervisor.

Copies of the Safety Evaluation and the Federal Register Notice are also enclosed.

Sincerely,

Original signed by

George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Enclosures:

1. Amendment No. 38 to DPR-21
2. Amendment No. 28 to DPR-65
3. Safety Evaluation
4. Federal Register Notice

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GD

*SEE PREVIOUS YELLOW FOR CONCURRENCES

OFFICE >	ORB#3	ORB#3	OELD	ORB#3		
SURNAME >	*CParrish	*DJaffe:acr	*J.R.Gray	GLear		
DATE >	6/ /77	6/ /77	6/ /77	6/ /77		

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Northeast Nuclear Energy Company
ATTN: Mr. D. C. Switzer
President
P. O. Box 270
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This amendment will provide for (1) delegation of responsibility to the Unit Superintendent for operation of Millstone Units Nos. 1 and 2, (2) the addition of a new member to the Millstone Units Nos. 1 and 2 Plant Operations Review Committees (PORCs), (3) a change to the responsibilities of the PORCs and the Site Operations Review Committee (SORC) to accommodate the review of procedures which are common to both Units, and (4) establishment of additional qualifications for the Health Physics Supervisor.

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Sincerely,

George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors

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4. Federal Register Notice

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DATE >	6/ /77	6/ /77	6/ /77	6/ /77		

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Washington, D. C. 20005

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Department of Planning & Energy Policy
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Hartford, Connecticut 06115

Mr. Albert L. Partridge, First Selectman
Town of Waterford
Hall of Records - 200 Boston Post Road
Waterford, Connecticut 06385

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

Chief, Energy Systems Analysis Branch (AW-459)
Office of Radiation Programs
U. S. Environmental Protection Agency
Room 645, East Tower
401 M Street, N. W.
Washington, D. C. 20460

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

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



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

CONNECTICUT LIGHT AND POWER COMPANY
THE HARTFORD ELECTRIC LIGHT COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

DOCKET NO. 50-245

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 38
License No. DPR-21

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Connecticut Light and Power Company, The Hartford Electric Light Company, Western Massachusetts Electric Company, Northeast Nuclear Energy Company (the licensees) dated March 11, 1977, 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.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B. of Provisional Operating License No. DPR-21 is hereby amended to read as follows:

(B) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. , 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 its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: June 20, 1977

ATTACHMENT TO LICENSE AMENDMENT NO. 38

TO THE TECHNICAL SPECIFICATIONS

FACILITY OPERATING LICENSE NO. DPR-21

DOCKET NO. 50-245

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 area of change.

Remove

154
155
158 thru 162
169
170

Insert

154
155
158 thru 162
169
170

6.0 ADMINISTRATIVE CONTROLS

6.1 RESPONSIBILITY

6.1.1 The Plant Superintendent shall be responsible for overall operation of the Millstone Station Site while the Unit Superintendent shall be responsible for operation of the unit. The Plant Superintendent and Unit Superintendent shall each delegate in writing the succession to these responsibilities during their absence.

6.2 ORGANIZATION

OFFSITE

6.2.1 The offsite organization for facility management and technical support shall be as shown on Figure 6.2-1.

FACILITY STAFF

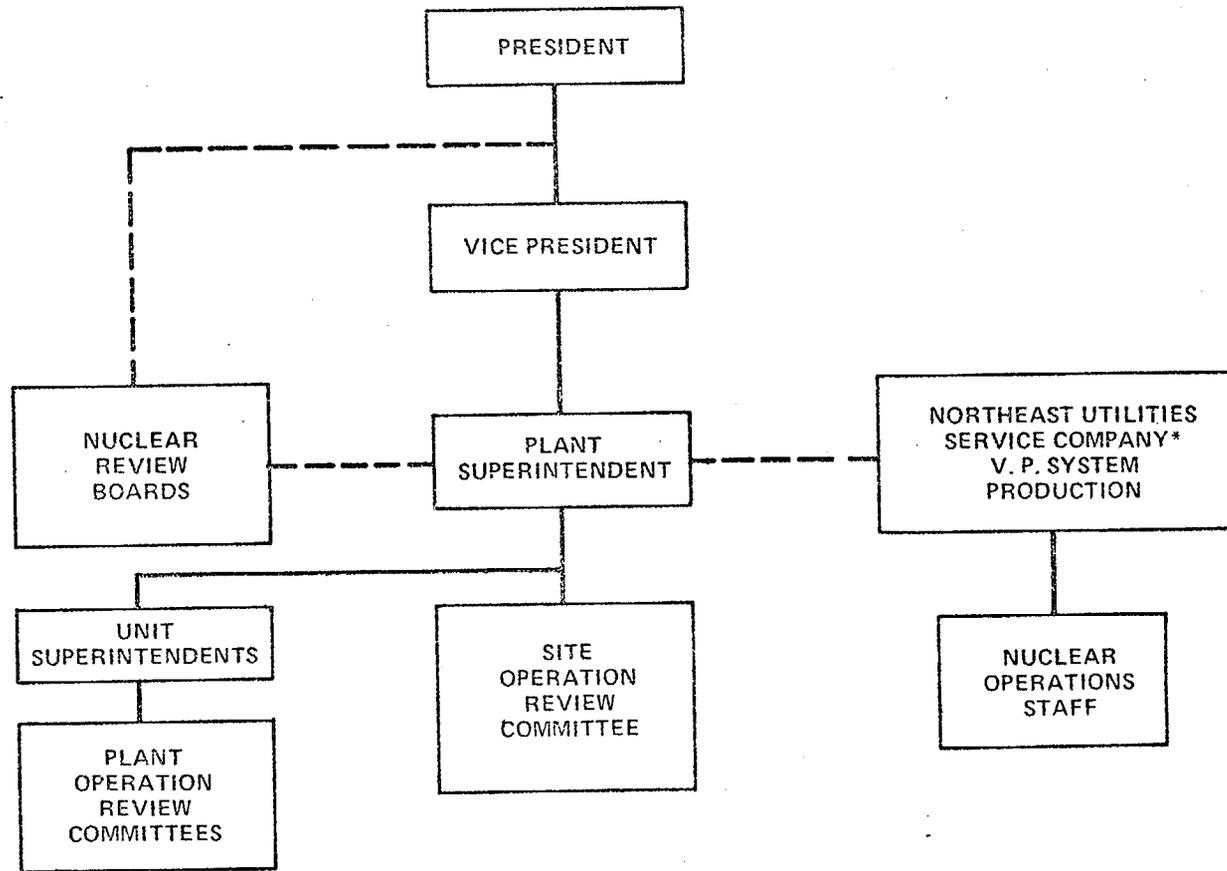
6.2.2 The Facility organization shall be as shown on Figure 6.2-2 and:

- a. Each on duty shift shall be composed of at least the minimum shift crew composition shown in Table 6.2-1.
- b. At least one licensed Operator shall be in the control room when fuel is in the reactor.
- c. At least two licensed Operators shall be present in the control room during reactor start-up, scheduled reactor shutdown and during recovery from reactor trips.
- d. An individual qualified in radiation protection procedures shall be on site when fuel is in the reactor.
- 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.

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 the Health Physics Supervisor who shall meet or exceed the qualifications of Regulatory Guide 1.8, Revision 1, after January 1, 1978.

NORTHEAST NUCLEAR ENERGY COMPANY



*Provides Operating and Engineering Support by Contractural Arrangement.

Figure 6.2-1 Offsite Organization for Facility Management and Technical Support

ADMINISTRATIVE CONTROLS

6.4 TRAINING

6.4.1 A retraining and replacement training program for the facility staff shall be maintained under the direction of the Plant Superintendent and shall meet or exceed the requirements and recommendations of Section 5.5 of ANSI N18.1-1971 and Appendix "A" of 10 CFR Part 55.

6.5 REVIEW AND AUDIT

6.5.1 PLANT OPERATIONS REVIEW COMMITTEE (PORC)

FUNCTION

6.5.1.1 The PORC shall function to advise the Unit Superintendent on all matters related to nuclear safety.

COMPOSITION

6.5.1.2 The PORC shall be composed of the:

Chairman:	Unit Superintendent .
Vice Chairman & Member:	Operations Supervisor
Member:	Maintenance Supervisor
Member:	Instrument and Control Supervisor
Member:	Reactor Engineer
Member:	Senior Engineer or Startup Supervisor*
Member:	Chemistry Supervisor or Plant Services Superintendent or Service Group Supervisor or Health Physics Supervisor
Member:	Staff Engineer**

ALTERNATES

6.5.1.3 Alternate members shall be appointed in writing by the PORC Chairman to serve on a temporary basis; however, no more than two alternates shall participate in PORC activities at any one time.

*When position is staffed.

**The Staff Engineer member of the PORC shall have an academic degree in engineering or physical science field; and in addition, shall have a minimum of five years technical experience, of which a minimum of three years shall be in the nuclear power plant industry.

ADMINISTRATIVE CONTROLS

MEETING FREQUENCY

6.5.1.4 The PORC shall meet at least once per calendar month and as convened by the PORC Chairman.

QUORUM

6.5.1.5 A quorum of the PORC shall consist of the Chairman or Vice Chairman or Plant Superintendent and four members including alternates.

RESPONSIBILITIES

6.5.1.6 The PORC shall be responsible for:

- a. Review of 1) all procedures, except common site procedures, required by Specification 6.8 and changes thereto, 2) any other proposed procedures or changes thereto as determined by the Unit Superintendent to affect nuclear safety.
- b. Review of all proposed tests and experiments that affect nuclear safety.
- c. Review of all proposed changes to Sections 1.0 - 5.0 of these Technical Specifications.
- d. Review of all proposed changes or modifications to plant systems or equipment that affect nuclear safety.
- e. Investigation of all violations of the Technical Specifications and preparation and forwarding of a report covering evaluation and recommendations to prevent recurrence to the Superintendent of Nuclear Production and to the Chairman of the Nuclear Review Board.
- f. Review of events requiring 24 hour notification to the Commission.
- g. Review of facility operations to detect potential safety hazards.
- h. Performance of special reviews and investigations and reports thereon as requested by the Chairman of the Nuclear Review Board.
- i. Render determinations in writing with regard to whether or not each item considered under 6.5.1.6(a) through (e) above constitutes an unreviewed safety question.

ADMINISTRATIVE CONTROLS

AUTHORITY

6.5.1.7 The PORC shall:

- a. Recommend to the Unit Superintendent written approval or disapproval of items considered under 6.5.1.6(a) through (d) above.
- b. Provide immediate written notification to the Plant Superintendent, Superintendent of Nuclear Production and the Nuclear Review Board of disagreement between the PORC and the Unit Superintendent; however, the Unit Superintendent shall have responsibility for resolution of such disagreements pursuant to 6.1.1 above.

RECORDS

6.5.1.8 The PORC shall maintain written minutes of each meeting and copies shall be provided to the Plant Superintendent, Superintendent of Nuclear Production and Chairman of the Nuclear Review Board.

6.5.2 SITE OPERATIONS REVIEW COMMITTEE (SORC)

FUNCTION

6.5.2.1 The SORC shall function to advise the Plant Superintendent on all matters related to nuclear safety of the entire Millstone Station Site.

COMPOSITION

6.5.2.2 The SORC shall be composed of the:

Chairman:	Plant Superintendent
Member:	Unit 1 Superintendent
Member:	Unit 2 Superintendent
Member:	Unit 3 Superintendent
Member:	Plant Services Superintendent
Member:	Designated Member of Unit 1 PORC
Member:	Designated Member of Unit 2 PORC
Member:	Designated Member of Unit 3 PORC

ADMINISTRATIVE CONTROLS

ALTERNATES

6.5.2.3 Alternate members shall be appointed in writing by the SORC Chairman to serve on a temporary basis; however, no more than two alternates shall participate in SORC activities at one time.

MEETING FREQUENCY

6.5.2.4 The SORC shall meet at least once per six months and as convened by the SORC Chairman.

QUORUM

6.5.2.5 A quorum of the SORC shall consist of the Chairman and four members including alternates.

RESPONSIBILITIES

6.5.2.6 The SORC shall be responsible for:

- a. Review of 1) all common site procedures required by Specification 6.8 and changes thereto, 2) any other proposed procedures or changes thereto as determined by the Plant Superintendent to affect site nuclear safety.
- b. Review of all proposed changes to Section 6.0 "Administrative Controls" of these Technical Specifications.
- c. Performance of special reviews and investigations and reports as requested by the Chairman of the Site Nuclear Review Board.
- d. Review of the Plant Security Plan and implementing procedures and shall submit changes to the Chairman of the Site Nuclear Review Board.
- e. Review of the Emergency Plan and implementing procedures and shall submit recommended changes to the Chairman of the Site Nuclear Review Board.
- f. Review of all common site proposed tests and experiments that affect nuclear safety.
- g. Review of all common site proposed changes or modifications to systems or equipment that affect nuclear safety.

ADMINISTRATIVE CONTROLS

RESPONSIBILITIES (Continued)

- h. Render determinations in writing or meeting minutes with regard to whether or not each item considered under 6.5.2.6(a) through (g) above constitutes an unreviewed safety question.

AUTHORITY

6.5.2.7 The SORC shall:

- a. Recommend to the Plant Superintendent written approval or disapproval in meeting minutes of items considered under 6.5.2.6(a) through (g) above.
- b. Provide immediate written notification or meeting minutes to the Superintendent of Nuclear Production and the Site Nuclear Review Board of disagreement between the SORC and the Plant Superintendent; however, the Plant Superintendent shall have responsibility for resolution of such disagreements pursuant to 6.1.1 above.

RECORDS

6.5.2.8 The SORC shall maintain written minutes of each meeting and copies shall be provided to the Superintendent of Nuclear Production and Chairman of the Site Nuclear Review Board.

6.5.3 NUCLEAR REVIEW BOARD (NRB)

FUNCTION

6.5.3.1 The NRB shall function to provide independent review and audit of designated activities in the areas of:

- a. nuclear power plant operations
- b. nuclear engineering
- c. chemistry and radiochemistry
- d. metallurgy
- e. instrumentation and control
- f. radiological safety
- g. mechanical and electrical engineering

ADMINISTRATIVE CONTROLS

SAFETY LIMIT VIOLATION (Continued)

- b. The Safety Limit violation shall be reported to the Commission, the Superintendent of Nuclear Production and to the NRB immediately.
- c. A Safety Limit Violation Report shall be prepared. The report shall be reviewed by the PORC. This report shall describe (1) applicable circumstances preceding the violation, (2) effects of the violation upon facility components, systems or structures, and (3) corrective action taken to prevent recurrence.
- d. The Safety Limit Violation Report shall be submitted to the Commission, the NRB and the Superintendent of Nuclear Production within 10 days of the violations.

6.8 PROCEDURES

6.8.1 Written procedures shall be established, implemented and maintained covering the activities referenced below:

- a. The applicable procedures recommended in Appendix "A" of Regulatory Guide 1.33, November 1972.
- b. Refueling operations.
- c. Surveillance activities of safety related equipment.
- d. Security Plan implementation.
- e. Emergency Plan implementation.

6.8.2 Each procedure and administrative policy of 6.8.1 above, and changes thereto, shall be reviewed by the PORC/SORC, as applicable, and approved by the Unit Superintendent/Plant Superintendent prior to implementation and reviewed periodically as set forth in each document.

ADMINISTRATIVE CONTROLS

6.8.3 Temporary changes to procedures of 6.8.1 above may be made provided:

- a. The intent of the original procedure is not altered.
- b. The change is approved by two members of the plant management staff, at least one of whom holds a Senior Reactor Operator's License on the unit affected.
- c. The change is documented, reviewed by the PORC/SORC, as applicable, and approved by the Unit Superintendent/Plant Superintendent within 14 days of implementation.

6.9 REPORTING REQUIREMENTS

ROUTINE REPORTS AND REPORTABLE OCCURRENCES

6.9.1 Information to be reported to the Commission, in addition to the reports required by Title 10, Code of Federal Regulations, shall be in accordance with the Regulatory Position in Revision 4 of Regulatory Guide 1.16, "Reporting of Operating Information - Appendix "A" Technical Specifications."

SPECIAL REPORTS

6.9.2 Special reports shall be submitted to the Director of the Office of Inspection and Enforcement Regional Office within the time period specified for each report. These reports shall be submitted covering the activities identified below pursuant to the requirements of the applicable reference specification:

- a. Inoperable Seismic Monitoring Instrumentation, Specification 3.3.3.3.
- b. Inoperable Meteorological Monitoring Instrumentation, Specification 3.3.3.4.
- c. Safety Class 1 Inservice Inspection Program Review, Specification 4.4.10.1.
- d. Core Barrel Movement, Specifications 3.4.11 and 4.4.11.
- e. ECCS Actuation, Specifications 3.5.2 and 3.5.3.

6.10 RECORD RETENTION



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

THE CONNECTICUT LIGHT AND POWER COMPANY,
THE HARTFORD ELECTRIC LIGHT COMPANY,
WESTERN MASSACHUSETTS ELECTRIC COMPANY, AND
NORTHEAST NUCLEAR ENERGY COMPANY

DOCKET NO. 50-336

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 28
License No. DPR-55

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by The Connecticut Light and Power Company, The Hartford Electric Light Company, Western Massachusetts Electric Company, and Northeast Nuclear Energy Company (the licensees), dated March 11, 1977, 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.

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. , 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 its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: June 20, 1977

ATTACHMENT TO LICENSE AMENDMENT NO. 28

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 area of change. The corresponding overleaf pages are also provided to maintain document completeness.

Pages

6-1
6-2
6-5
6-6
6-7
6-8
6-9
6-16
6-17

6.0 ADMINISTRATIVE CONTROLS

6.1 RESPONSIBILITY

6.1.1 The Plant Superintendent shall be responsible for overall operation of the Millstone Station Site while the Unit Superintendent shall be responsible for operation of the unit. The Plant Superintendent and Unit Superintendent shall each delegate in writing the succession to these responsibilities during their absence.

6.2 ORGANIZATION

OFFSITE

6.2.1 The offsite organization for facility management and technical support shall be as shown on Figure 6.2-1.

FACILITY STAFF

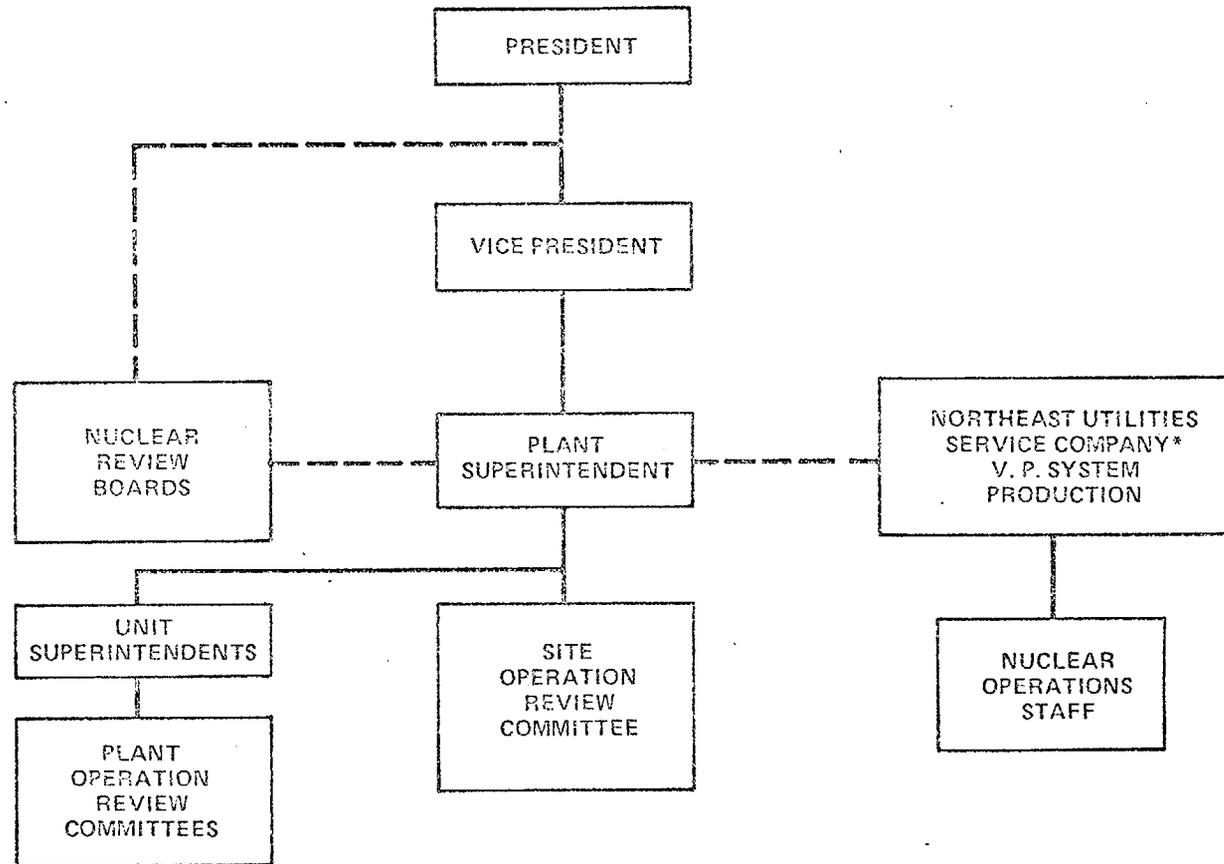
6.2.2 The Facility organization shall be as shown on Figure 6.2-2 and:

- a. Each on duty shift shall be composed of at least the minimum shift crew composition shown in Table 6.2-1.
- b. At least one licensed Operator shall be in the control room when fuel is in the reactor.
- c. At least two licensed Operators shall be present in the control room during reactor start-up, scheduled reactor shutdown and during recovery from reactor trips.
- d. An individual qualified in radiation protection procedures shall be on site when fuel is in the reactor.
- 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.

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 the Health Physics Supervisor who shall meet or exceed the qualifications of Regulatory Guide 1.8, Revision 1, after January 1, 1978.

NORTHEAST NUCLEAR ENERGY COMPANY



*Provides Operating and Engineering Support by Contractual Arrangement.

Figure 6.2-1 Offsite Organization for Facility Management and Technical Support

ADMINISTRATIVE CONTROLS

6.4 TRAINING

6.4.1 A retraining and replacement training program for the facility staff shall be maintained under the direction of the Plant Superintendent and shall meet or exceed the requirements and recommendations of Section 5.5 of ANSI N18.1-1971 and Appendix "A" of 10 CFR Part 55.

6.5 REVIEW AND AUDIT

6.5.1 PLANT OPERATIONS REVIEW COMMITTEE (PORC)

FUNCTION

6.5.1.1 The PORC shall function to advise the Unit Superintendent on all matters related to nuclear safety.

COMPOSITION

6.5.1.2 The PORC shall be composed of the:

Chairman:	Unit Superintendent
Vice Chairman	
& Member:	Operations Supervisor
Member:	Maintenance Supervisor
Member:	Instrument and Control Supervisor
Member:	Reactor Engineer
Member:	Senior Engineer or Startup Supervisor*
Member:	Chemistry Supervisor or Plant Services
	Superintendent or Service Group Supervisor
	or Health Physics Supervisor
Member:	Staff Engineer**

ALTERNATES

6.5.1.3 Alternate members shall be appointed in writing by the PORC Chairman to serve on a temporary basis; however, no more than two alternates shall participate in PORC activities at any one time.

*When position is staffed.

**The Staff Engineer member of the PORC shall have an academic degree in engineering or physical science field; and in addition, shall have a minimum of five years technical experience, of which a minimum of three years shall be in the nuclear power plant industry.

ADMINISTRATIVE CONTROLS

MEETING FREQUENCY

6.5.1.4 The PORC shall meet at least once per calendar month and as convened by the PORC Chairman.

QUORUM

6.5.1.5 A quorum of the PORC shall consist of the Chairman or Vice Chairman or Plant Superintendent and four members including alternates.

RESPONSIBILITIES

6.5.1.6 The PORC shall be responsible for:

- a. Review of 1) all procedures, except common site procedures, required by Specification 6.8 and changes thereto, 2) any other proposed procedures or changes thereto as determined by the Unit Superintendent to affect nuclear safety.
- b. Review of all proposed tests and experiments that affect nuclear safety.
- c. Review of all proposed changes to Sections 1.0 - 5.0 of these Technical Specifications.
- d. Review of all proposed changes or modifications to plant systems or equipment that affect nuclear safety.
- e. Investigation of all violations of the Technical Specifications and preparation and forwarding of a report covering evaluation and recommendations to prevent recurrence to the Superintendent of Nuclear Production and to the Chairman of the Nuclear Review Board.
- f. Review of events requiring 24 hour notification to the Commission.
- g. Review of facility operations to detect potential safety hazards.
- h. Performance of special reviews and investigations and reports thereon as requested by the Chairman of the Nuclear Review Board.
- i. Render determinations in writing with regard to whether or not each item considered under 6.5.1.6(a) through (e) above constitutes an unreviewed safety question.

ADMINISTRATIVE CONTROLS

AUTHORITY

6.5.1.7 The PORC shall:

- a. Recommend to the Unit Superintendent written approval or disapproval of items considered under 6.5.1.6(a) through (d) above.
- b. Provide immediate written notification to the Plant Superintendent, Superintendent of Nuclear Production and the Nuclear Review Board of disagreement between the PORC and the Unit Superintendent; however, the Unit Superintendent shall have responsibility for resolution of such disagreements pursuant to 6.1.1 above.

RECORDS

6.5.1.8 The PORC shall maintain written minutes of each meeting and copies shall be provided to the Plant Superintendent, Superintendent of Nuclear Production and Chairman of the Nuclear Review Board.

6.5.2 SITE OPERATIONS REVIEW COMMITTEE (SORC)

FUNCTION

6.5.2.1 The SORC shall function to advise the Plant Superintendent on all matters related to nuclear safety of the entire Millstone Station Site.

COMPOSITION

6.5.2.2 The SORC shall be composed of the:

Chairman:	Plant Superintendent
Member:	Unit 1 Superintendent
Member:	Unit 2 Superintendent
Member:	Unit 3 Superintendent
Member:	Plant Services Superintendent
Member:	Designated Member of Unit 1 PORC
Member:	Designated Member of Unit 2 PORC
Member:	Designated Member of Unit 3 PORC

ADMINISTRATIVE CONTROLS

ALTERNATES

6.5.2.3 Alternate members shall be appointed in writing by the SORC Chairman to serve on a temporary basis; however, no more than two alternates shall participate in SORC activities at one time.

MEETING FREQUENCY

6.5.2.4 The SORC shall meet at least once per six months and as convened by the SORC Chairman.

QUORUM

6.5.2.5 A quorum of the SORC shall consist of the Chairman and four members including alternates.

RESPONSIBILITIES

6.5.2.6 The SORC shall be responsible for:

- a. Review of 1) all common site procedures required by Specification 6.8 and changes thereto, 2) any other proposed procedures or changes thereto as determined by the Plant Superintendent to affect site nuclear safety.
- b. Review of all proposed changes to Section 6.0 "Administrative Controls" of these Technical Specifications.
- c. Performance of special reviews and investigations and reports as requested by the Chairman of the Site Nuclear Review Board.
- d. Review of the Plant Security Plan and implementing procedures and shall submit changes to the Chairman of the Site Nuclear Review Board.
- e. Review of the Emergency Plan and implementing procedures and shall submit recommended changes to the Chairman of the Site Nuclear Review Board.
- f. Review of all common site proposed tests and experiments that affect nuclear safety.
- g. Review of all common site proposed changes or modifications to systems or equipment that affect nuclear safety.

ADMINISTRATIVE CONTROLS

RESPONSIBILITIES (Continued)

- h. Render determinations in writing or meeting minutes with regard to whether or not each item considered under 6.5.2.6(a) through (g) above constitutes an unreviewed safety question.

AUTHORITY

6.5.2.7 The SORC shall:

- a. Recommend to the Plant Superintendent written approval or disapproval in meeting minutes of items considered under 6.5.2.6(a) through (g) above.
- b. Provide immediate written notification or meeting minutes to the Superintendent of Nuclear Production and the Site Nuclear Review Board of disagreement between the SORC and the Plant Superintendent; however, the Plant Superintendent shall have responsibility for resolution of such disagreements pursuant to 6.1.1 above.

RECORDS

6.5.2.8 The SORC shall maintain written minutes of each meeting and copies shall be provided to the Superintendent of Nuclear Production and Chairman of the Site Nuclear Review Board.

6.5.3 NUCLEAR REVIEW BOARD (NRB)

FUNCTION

6.5.3.1 The NRB shall function to provide independent review and audit of designated activities in the areas of:

- a. nuclear power plant operations
- b. nuclear engineering
- c. chemistry and radiochemistry
- d. metallurgy
- e. instrumentation and control
- f. radiological safety
- g. mechanical and electrical engineering

ADMINISTRATIVE CONTROLS

COMPOSITION

6.5.3.2 The NRB shall be composed of the following: (The titles listed are minimum level requirements. Other appropriate higher level position may be substituted.)

Chairman:	Project Engineer
Member:	Nuclear Production Department Engineer cognizant of plant operations
Member:	Engineer, Licensing and Safeguards Section, Generation Engineering Division
Member:	Engineer, Generation Engineering Division
Member:	Unit Superintendent, Northeast Nuclear Energy Company or Assistant Plant Superintendent Connecticut Yankee Atomic Power Company

ALTERNATES

6.5.3.3 Alternate members shall be appointed in writing by the NRB Chairman to serve on a temporary basis; however, not more than two alternates shall participate in NRB activities at any one time.

CONSULTANTS

6.5.3.4 Consultants shall be utilized as determined by the NRB Chairman to provide expert advice to the NRB.

MEETING FREQUENCY

6.5.3.5 The NRB shall meet at least once per calendar quarter during the initial year of facility operation following fuel loading and at least once per six months thereafter.

QUORUM

6.5.3.6 A quorum of NRB shall consist of the Chairman or his designated alternate and three members including alternates. No more than a minority of the quorum shall have line responsibility for operation of the facility.

ADMINISTRATIVE CONTROLS

AUTHORITY

6.5.4.9 The SNRB report to and advise the Vice President System Production on those areas of responsibility specified in Sections 6.5.4.7 and 6.5.4.8.

RECORDS

6.5.4.10 Records of SNRB activities shall be prepared, approved and distributed as indicated below:

- a. Minutes of each SNRB meeting shall be prepared, approved and forwarded to the Vice President System Production within 14 days following each meeting.
- b. Reports of reviews encompassed by, Section 6.5.4.7 above, shall be prepared, approved and forwarded to the Vice President System Production within 14 days following completion of the review.
- c. Audit reports encompassed by Section 6.5.4.8 above, shall be forwarded to the Vice President System Production and to the management positions responsible for the areas audited within 30 days after completion of the audit.

6.6 REPORTABLE OCCURRENCE ACTION

6.6.1 The following actions shall be taken for REPORTABLE OCCURRENCES:

- a. The Commission shall be notified and/or a report submitted pursuant to the requirements of Specification 6.9.
- b. Each REPORTABLE OCCURRENCE Report requiring 24 hour notification to the Commission shall be reviewed by the PORC and submitted to the NRB and the Superintendent of Nuclear Production.

6.7 SAFETY LIMIT VIOLATION

6.7.1 The following actions shall be taken in the event a Safety Limit is violated:

- a. The provisions of 10 CFR 50.36(c)(1)(i) shall be complied with immediately.

ADMINISTRATIVE CONTROLS

SAFETY LIMIT VIOLATION (Continued)

- b. The Safety Limit violation shall be reported to the Commission, the Superintendent of Nuclear Production and to the NRB immediately.
- c. A Safety Limit Violation Report shall be prepared. The report shall be reviewed by the PORC. This report shall describe (1) applicable circumstances preceding the violation, (2) effects of the violation upon facility components, systems or structures, and (3) corrective action taken to prevent recurrence.
- d. The Safety Limit Violation Report shall be submitted to the Commission, the NRB and the Superintendent of Nuclear Production within 10 days of the violations.

6.8 PROCEDURES

6.8.1 Written procedures shall be established, implemented and maintained covering the activities referenced below:

- a. The applicable procedures recommended in Appendix "A" of Regulatory Guide 1.33, November 1972.
- b. Refueling operations.
- c. Surveillance activities of safety related equipment.
- d. Security Plan implementation.
- e. Emergency Plan implementation.

6.8.2 Each procedure and administrative policy of 6.8.1 above, and changes thereto, shall be reviewed by the PORC/SORC, as applicable, and approved by the Unit Superintendent/Plant Superintendent prior to implementation and reviewed periodically as set forth in each document.

ADMINISTRATIVE CONTROLS

6.8.3 Temporary changes to procedures of 6.8.1 above may be made provided:

- a. The intent of the original procedure is not altered.
- b. The change is approved by two members of the plant management staff, at least one of whom holds a Senior Reactor Operator's License on the unit affected.
- c. The change is documented, reviewed by the PORC/SORC, as applicable, and approved by the Unit Superintendent/Plant Superintendent within 14 days of implementation.

6.9 REPORTING REQUIREMENTS

ROUTINE REPORTS AND REPORTABLE OCCURRENCES

6.9.1 Information to be reported to the Commission, in addition to the reports required by Title 10, Code of Federal Regulations, shall be in accordance with the Regulatory Position in Revision 4 of Regulatory Guide 1.16, "Reporting of Operating Information - Appendix "A" Technical Specifications."

SPECIAL REPORTS

6.9.2 Special reports shall be submitted to the Director of the Office of Inspection and Enforcement Regional Office within the time period specified for each report. These reports shall be submitted covering the activities identified below pursuant to the requirements of the applicable reference specification:

- a. Inoperable Seismic Monitoring Instrumentation, Specification 3.3.3.3.
- b. Inoperable Meteorological Monitoring Instrumentation, Specification 3.3.3.4.
- c. Safety Class 1 Inservice Inspection Program Review, Specification 4.4.10.1.
- d. Core Barrel Movement, Specifications 3.4.11 and 4.4.11.
- e. ECCS Actuation, Specifications 3.5.2 and 3.5.3.

6.10 RECORD RETENTION

ADMINISTRATIVE CONTROLS

- 6.10.1 The following records shall be retained for at least five years:
- a. Records and logs of facility operation covering time interval at each power level.
 - b. Records and logs of principal maintenance activities, inspections, repair and replacement of principal items of equipment related to nuclear safety.
 - c. All REPORTABLE OCCURRENCES submitted to the Commission.
 - d. Records of surveillance activities, inspections and calibrations required by these Technical Specifications.
 - e. Records of reactor tests and experiments.
 - f. Records of changes made to Operating Procedures.
 - g. Records of radioactive shipments.
 - h. Records of sealed source leak tests and results.
 - i. Records of annual physical inventory of all sealed source material of record.

6.10.2 The following records shall be retained for the duration of the Facility Operating License:

- a. Records and drawing changes reflecting facility design modifications made to systems and equipment described in the Final Safety Analysis Report.
- b. Records of new and irradiated fuel inventory, fuel transfers and assembly burnup histories.
- c. Records of facility radiation and contamination surveys.
- d. Records of radiation exposure for all individuals entering radiation control areas.
- e. Records of gaseous and liquid radioactive material released to the environs.
- f. Records of transient or operational cycles for those facility components designed for a limited number of transients or cycles.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING LICENSE AMENDMENT NOS. 38 AND 28 TO

FACILITY OPERATING LICENSES NOS. DPR-21 AND DPR-65

NORTHEAST NUCLEAR ENERGY COMPANY

MILLSTONE NUCLEAR POWER STATION UNITS NOS. 1 AND 2

DOCKETS NOS. 50-245 AND 50-336

Introduction

By application dated March 11, 1977, Northeast Nuclear Energy Company (NNECO) requested changes to the Administrative Controls Sections (Section 6.0) of the Millstone Units Nos. 1 and 2 Technical Specifications. The proposed changes would provide for: (1) delegation of responsibility to the Unit Superintendents for operation of Millstone Units Nos. 1 and 2, (2) the addition of a new member to the Millstone Units Nos. 1 and 2 Plant Operations Review Committees (PORCs), (3) a change to the responsibilities of the PORCs and the Site Operations Review Committee (SORC) to accommodate the review of procedures which are common to both Units, and (4) establishment of additional qualifications for the Health Physics Supervisor.

In the course of our review we have found it necessary to change the Technical Specifications as proposed by NNECO. These changes were discussed with, and agreed to, by NNECO.

Discussion and Evaluation

A discussion and our evaluation of the proposed changes is contained in the following sections:

1. Delegation of Responsibility to the Unit Superintendents for Operation of Millstone Units Nos. 1 and 2

The Millstone Nuclear Power Station facility organization is shown in Figure 6.2-2 of the Millstone Units Nos. 1 and 2 Technical Specifications. The facility organization shows the Unit Superintendents for Units Nos. 1 and 2 each reporting to the Plant Superintendent. The proposed change would officially recognize the Unit Superintendents as the persons responsible for operation of their respective Units and recognize the Plant Superintendent

as the person responsible for overall operation of the Millstone Station site. At the present time, the Technical Specifications show only the Plant Superintendent is responsible for Unit operation.

The Unit Superintendents have responsibility for the day-to-day operation of their respective Units. The proposed change officially and formally recognizes what has previously been the management responsibilities of the Unit Superintendents. This delegation of authority is appropriate to the management system employed at the Millstone Nuclear Power Station. We find this change acceptable.

This change is also appropriately shown in the offsite organization detailed in Technical Specification 6.2.1 and is included for interactions with the PORC as specified in Technical Specifications 6.5.1.1 and 6.5.1.7. We find the changes to Technical Specifications 6.2.1, 6.5.1.1 and 6.5.1.7 to be consistent with the delegation of responsibility to the Unit Superintendents and are therefore acceptable.

2. The Addition of a New Member to the PORCs

NNECO has requested that an additional member be added to the composition of the PORCs as described in Technical Specification 6.5.1.2. The additional member, designated as a Staff Engineer, would have an academic degree in Engineering or Physical Science and, in addition, would have a minimum of five years technical experience of which a minimum of three years would be in the nuclear power plant industry.

The purpose of the PORC is "...to advise the Unit Superintendent on all matters related to nuclear safety". The addition of the Staff Engineer to the PORC composition gives the PORC additional capability to perform their function. Moreover, the qualifications of the Staff Engineer as stated above is consistent with the senior status of the members presently comprising the PORC. Accordingly, the addition of a Staff Engineer to the composition of the PORC, as stated in Technical Specification 6.5.1.2, is acceptable.

3. Changes to the Responsibilities of the PORCs and SORC

NNECO has requested changes to Millstone Units Nos. 1 and 2 Technical Specifications 6.5.1.6 and 6.5.2.6. These Technical Specifications state the responsibilities of the PORCs and the SORC, respectively. At the present time, a procedure or a change to a procedure of a type specified in Technical Specification 6.8,

applicable to both Units Nos. 1 and 2, would have to be reviewed by both PORCs and the SORC. The proposed change would allow procedures, applicable to both Units Nos. 1 and 2, to be reviewed solely by the SORC.

As stated in Section 2, above, the purpose of the PORC is "...to advise the Unit Superintendent on all matters related to nuclear safety". Appropriately, the PORCs are comprised of senior staff members who have particular knowledge of the plant in question. The SORC, by comparison is comprised of senior staff members from all Units (presently Millstone Units Nos. 1 and 2) therefore, it is more appropriate for the SORC to provide the requisite review for those procedures which are common to all Units. Accordingly, the change to Technical Specifications 6.5.1.6 and 6.5.2.6 which allow all common site procedures to be reviewed solely by the SORC is acceptable.

4. Establishment of Additional Qualifications for the Health Physics Supervisor

By letter dated March 3, 1977 we requested that NNECO propose Technical Specifications to require that the Health Physics Supervisor meet or exceed the requirements of Regulatory Guide 1.8, Revision 1, September 1975, entitled, "Personnel Selection and Training". The Health Physics Supervisor, who directs the Health Physics work at Millstone Units Nos. 1 and 2, had previously been required to meet the less rigorous requirements of ANSI N18.1-1971.

NNECO has agreed to our request for additional qualifications for the Health Physics Supervisor. The employee who currently holds this position will not fulfill the requirements of Regulatory Guide 1.8, Revision 1, until fall 1977. Accordingly, the licensee has proposed that the employee presently holding the position of Health Physics Supervisor meet the qualifications of Regulatory Guide 1.8, Revision 1, by January 1, 1978. We find this implementation date acceptable.

We conclude that the proposed change to Technical Specification 6.3.1 which requires the Health Physics Supervisor to meet or exceed the requirements of Regulatory Guide 1.8, Revision 1, is acceptable.

Environmental Considerations

We have determined that these amendments do 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 amendments involve 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 these amendments.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the changes do not involve a significant increase in the probability or consequences of accidents previously considered and do not involve a significant decrease in a safety margin, the changes do 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.

Dated: June 20, 1977

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKETS NOS. 50-245 AND 50-336

NORTHEAST NUCLEAR ENERGY COMPANY,
THE CONNECTICUT LIGHT AND POWER COMPANY,
THE HARTFORD ELECTRIC LIGHT COMPANY, AND
WESTERN MASSACHUSETTS ELECTRIC COMPANY

NOTICE OF ISSUANCE OF AMENDMENTS TO OPERATING
LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 38 to Provisional Operating License No. DPR-21 and Amendment No. 28 to Facility Operating License No. DPR-65 to Northeast Nuclear Energy Company, The Connecticut Light and Power Company, The Hartford Electric Light Company, and Western Massachusetts Electric Company, which revised Technical Specifications for operation of the Millstone Nuclear Power Station, Units Nos. 1 and 2, located in the Town of Waterford, Connecticut. The amendments are effective as of their date of issuance.

The amendment consists of changes to the Technical Specifications which will provide for (1) delegation of responsibility to the Unit Superintendents for operation of the Millstone Units Nos. 1 and 2, (2) the addition of a new member to the Millstone Units Nos. 1 and 2 Plant Operation Review Committees (PORCs), (3) a change to the responsibilities of the PORCs and the Site Operations Review Committees (SORC) to accommodate the review of procedures which are common to both Units, and (4) establishment of additional qualifications for the Health Physics Supervisor.

The application for the amendments 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 amendments. Prior public notice of these amendments was not required since the amendment does not involve a significant hazards considerations.

The Commission has determined that the issuance of these amendments 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 these amendments.

For further details with respect to this action, see (1) the application for amendments dated March 11, 1977, (2) Amendments Nos. 38 and 28 to Licenses Nos. DPR-21 and 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, Route 156, 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 Operating Reactors.

Dated at Bethesda, Maryland, this 20th day of June 1977.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script that reads "George Lear". The signature is written in dark ink and is positioned above the typed name and title.

George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors