

Mr. Neil S. Carns
Senior Vice President
and Chief Nuclear Officer
Northeast Nuclear Energy Company
c/o Ms. Patricia A. Loftus
Director - Regulatory Affairs
P.O. Box 128
Waterford, CT 06385

August 21, 1997

SUBJECT: ISSUANCE OF AMENDMENT (TAC NO. M98679)

Dear Mr. Carns:

The Commission has issued the enclosed Amendment No. 146 to Facility Operating License No. NPF-49 for the Millstone Nuclear Power Station, Unit No. 3, in response to your application dated May 1, 1997.

Technical Specifications 3/4.8.2.2 and 3/4.8.3.2 specify which electrical power systems are required to be operable in Modes 5 and 6. The amendment clarifies the requirements by identifying the specific equipment required and their alignments in Modes 5 and 6.

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

Sincerely,

Original signed by S. Dembek for J. Andersen:

James W. Andersen, Project Manager
Special Projects Office - Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-423

Enclosures: 1. Amendment No. 146 to NPF-49
2. Safety Evaluation

cc w/encls: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

August 21, 1997

Mr. Neil S. Carns
Senior Vice President
and Chief Nuclear Officer
Northeast Nuclear Energy Company
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Northeast Nuclear Energy Company

Millstone Nuclear Power Station
Unit 3

cc:

Lillian M. Cuoco, Esquire
Senior Nuclear Counsel
Northeast Utilities Service Company
P. O. Box 270
Hartford, CT 06141-0270

Mr. William D. Meinert
Nuclear Engineer
Massachusetts Municipal Wholesale
Electric Company
P. O. Box 426
Ludlow, MA 01056

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

Joseph R. Egan, Esquire
Egan & Associates, P.C.
2300 N Street, NW
Washington, D.C. 20037

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

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

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

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

Mr. Wayne D. Lanning
Deputy Director of Inspections
Special Projects Office
475 Allendale Road
King of Prussia, PA 19406-1415

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

Michael H. Brothers
Vice President - Millstone Unit 3
Northeast Nuclear Energy Company
P. O. Box 128
Waterford, CT 06385

Mr. James S. Robinson
Manager, Nuclear Investments and
Administration
New England Power Company
25 Research Drive
Westborough, MA 01582

Mr. M. R. Scully, Executive Director
Connecticut Municipal Electric
Energy Cooperative
30 Stott Avenue
Norwich, CT 06360

Mr. D. M. Goebel
Vice President - Nuclear Oversight
Northeast Nuclear Energy Company
P. O. Box 128
Waterford, CT 06385

Mr. Mr. K. Thayer
Recovery Officer - Nuclear Engineering
and Support
Northeast Nuclear Energy Company
P. O. Box 128
Waterford, Connecticut 06385

Northeast Nuclear Energy Company
Station

cc:

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

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

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

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

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

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

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

Millstone Nuclear Power

Unit 3

Mr. B. D. Kenyon
President and Chief Executive Officer
Northeast Nuclear Energy Company
P. O. Box 128
Waterford, CT 06385

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

Mr. Don Schopfer
Verification Team Manager
Sagent & Lundy
55 E. Monroe Street
Chicago, Illinois 60603



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

NORTHEAST NUCLEAR ENERGY COMPANY, ET AL.

DOCKET NO. 50-423

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 146
License No. NPF-49

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 May 1, 1997, 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. NPF-49 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 146, and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of the date of its issuance, to be implemented within 60 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Phillip F. McKee
Deputy Director for Licensing
Special Projects Office
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: August 21, 1997

ATTACHMENT TO LICENSE AMENDMENT NO. 146

FACILITY OPERATING LICENSE NO. NPF-49

DOCKET NO. 50-423

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

Remove

3/4 8-15

3/4 8-18

Insert

3/4 8-15

3/4 8-18

3/4 8-18a *

* overflow page - no changes made

ELECTRICAL POWER SYSTEMS

D. C. SOURCES

SHUTDOWN

LIMITING CONDITION FOR OPERATION

3.8.2.2 As a minimum, one train (A or B) of batteries and their associated full capacity chargers shall be OPERABLE:

a. Train - "A" consisting of:

- 1) Battery Bank 301A-1 and a full capacity battery charger, and
- 2) Battery Bank 301A-2 and a full capacity battery charger.

OR

b. Train - "B" consisting of:

- 1) Battery Bank 301B-1 and a full capacity battery charger, and
- 2) Battery Bank 301B-2 and a full capacity battery charger.

APPLICABILITY: MODES 5 and 6.

ACTION:

With the required train inoperable, immediately suspend all operations involving CORE ALTERATIONS, positive reactivity changes, movement of irradiated fuel; crane operation with loads over the fuel storage pool, or operation with a potential for draining the reactor vessel; initiate corrective action to restore the required train to OPERABLE status as soon as possible.

SURVEILLANCE REQUIREMENTS

4.8.2.2 The above required train shall be demonstrated OPERABLE in accordance with Specification 4.8.2.1.

ELECTRICAL POWER SYSTEMS

ONSITE POWER DISTRIBUTION

SHUTDOWN

LIMITING CONDITION FOR OPERATION

3.8.3.2 As a minimum, one train (A or B) of the following electrical busses shall be OPERABLE:

a. Train - "A" consisting of:

- 1) One 4160 volt AC Emergency Bus #34C, and
- 2) Four 480 volt AC Emergency Busses #32R, #32S, #32T, #32Y, and
- 3) Two 120 volt AC Vital Busses consisting of:
 - a) Bus #VIAC-1 energized from Inverter #INV-1 connected to DC Bus #301A-1, and
 - b) Bus #VIAC-3 energized from Inverter #INV-3 connected to DC Bus #301A-2, and
- 4) Two 125 volt DC Busses consisting of:
 - a) Bus #301A-1 energized from Battery Bank #301A-1, and
 - b) Bus #301A-2 energized from Battery Bank #301A-2.

OR

b. Train - "B" consisting of

- 1) One 4160 volt AC Emergency Bus #34D, and
- 2) Four 480 volt AC Emergency Busses #32U, #32V, #32W, #32X, and
- 3) Two 120 volt AC Vital Busses consisting of:
 - a) Bus #VIAC-2 energized from Inverter #INV-2 connected to DC Bus #301B-1, and
 - b) Bus #VIAC-4 energized from Inverter #INV-4 connected to DC Bus #301B-2, and
- 4) Two 125 volt DC Busses consisting of:
 - 1) Bus #301B-1 energized from Battery Bank #301B-1, and
 - b) Bus #301B-2 energized from Battery Bank #301B-2.

APPLICABILITY: MODES 5 and 6.

ACTION:

With any of the above required electrical busses not energized in the required manner, immediately suspend all operations involving CORE ALTERATIONS, positive reactivity changes, movement of irradiated fuel, crane operation with loads over the fuel storage pool, or operations with a potential for draining the reactor vessel, initiate corrective action to energize the required electrical busses in the specified manner as soon as possible.

ELECTRICAL POWER SYSTEMS

ONSITE POWER DISTRIBUTION

SHUTDOWN

SURVEILLANCE REQUIREMENTS

4.8.3.2 The specified busses shall be determined energized in the required manner at least once per 7 days by verifying correct breaker alignment and indicated voltage on the busses.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 146

TO FACILITY OPERATING LICENSE NO. NPF-49

NORTHEAST NUCLEAR ENERGY COMPANY, ET AL.

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 3

DOCKET NO. 50-423

1.0 INTRODUCTION

By letter dated May 1, 1997, the Northeast Nuclear Energy Company, et al. (the licensee), submitted a request for changes to the Millstone Nuclear Power Station, Unit No. 3 Technical Specifications (TS). TS 3/4.8.2.2 and 3/4.8.3.2 specify which electrical power systems are required to be operable in Modes 5 and 6. The proposed amendment would clarify the requirements by identifying the specific equipment required and their alignments in Modes 5 and 6.

2.0 EVALUATION

In its letter dated May 1, 1997, the licensee stated that the current TS 3/4.8.2.2 and 3/4.8.3.2 are inconsistent as to the number of battery banks required operable and vague as to the specific electrical distribution system equipment required operable in Modes 5 and 6.

2.1 Battery Banks

The proposed amendment request would change the current wording of TS 3/4.8.2.2 from, "As a minimum, one 125-volt battery bank and its associated full-capacity charger shall be OPERABLE," to "As a minimum, one Train (A or B) of batteries and their associated full capacity chargers shall be OPERABLE." The licensee stated that this change would increase the battery banks required to be operable in Modes 5 and 6 from one to two and resolve an inconsistency with TS 3/4.8.3.2, which currently requires two battery banks energized in Modes 5 and 6. The NRC staff has determined that the proposed change clarifies the number of batteries required to be operable in Modes 5 and 6, and removes the inconsistency between TS. Therefore, the staff finds the change acceptable.

2.2 Specific Electrical Equipment Required

The proposed amendment request would reword TS 3/4.8.2.2 and 3/4.8.3.2 to identify the specific equipment required and their alignment during Modes 5 and 6. The licensee stated that the change is being proposed to reduce the vagueness in the present TS and does not alter the manner in which any system

or component is operated during normal or accident conditions. The NRC staff has determined that the proposed change clarifies the specific equipment required to be operable in Modes 5 and 6, and reduces the vagueness of the current TS. Therefore, the staff finds the change acceptable.

2.3 Editorial Changes

The proposed amendment request would make an editorial change in TS 3/4.8.2.2 to replace words similar to "125-volt battery bank" and/or "full-capacity charger" with the word "train." The staff finds this change acceptable.

3.0 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.

4.0 ENVIRONMENTAL CONSIDERATION

The amendment changes a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and changes surveillance requirements. The NRC staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration, and there has been no public comment on such finding (62 FR 30637 dated June 4, 1997). Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). 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.

5.0 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 Contributor: J. Andersen

Date: **August 21, 1997**