

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

June 24, 1997

SUBJECT: ISSUANCE OF AMENDMENT (TAC NO. M98455)

Dear Mr. Carns:

The Commission has issued the enclosed Amendment No. 141 to Facility Operating License No. NPF-49 for the Millstone Nuclear Power Station, Unit No. 3, in response to your application dated April 17, 1997.

The amendment modifies Technical Specification 3.7.14 by clarifying the actions to be taken when an area temperature exceeds its temperature limit.

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:

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

Docket No. 50-423

Enclosures: 1. Amendment No. 141 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

June 24, 1997

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

A handwritten signature in black ink, appearing to be "JW Andersen", is written over the typed name and title.

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

Docket No. 50-423

Enclosures: 1. Amendment No. 141 to NPF-49  
2. Safety Evaluation

cc w/encls: See next page

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Unit 3

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Northeast Nuclear Energy Company

Millstone Nuclear Power Station  
Unit 3

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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. 141  
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 April 17, 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.

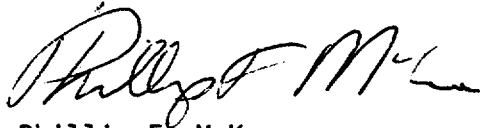
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-49 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 141, 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: June 24, 1997

ATTACHMENT TO LICENSE AMENDMENT NO. 141

FACILITY OPERATING LICENSE NO. NPF-49

DOCKET NO. 50-423

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

Remove

3/4 7-32

Insert

3/4 7-32

## PLANT SYSTEMS

### 3/4.7.14 AREA TEMPERATURE MONITORING

#### LIMITING CONDITION FOR OPERATION

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3.7.14 The temperature limit of each area shown in Table 3.7-6 shall not be exceeded.

APPLICABILITY: Whenever the equipment in an affected area is required to be OPERABLE.

#### ACTION:

With one or more areas exceeding the temperature limit(s) shown in Table 3.7-6:

- a. By less than 20°F and for less than 8 hours, record the cumulative time and the amount by which the temperature in the affected area(s) exceeded the limit(s).
- b. By less than 20°F and for greater than or equal to 8 hours, prepare and submit to the Commission within 30 days, pursuant to Specification 6.9.2, a Special Report that provides a record of the cumulative time and the amount by which the temperature in the affected area(s) exceeded the limit(s) and an analysis to demonstrate the continued OPERABILITY of the affected equipment. The provisions of Specification 3.0.3 are not applicable.
- c. With one or more areas exceeding the temperature limit(s) shown in Table 3.7-6 by greater than or equal to 20°F, prepare and submit a Special Report as required by ACTION b. above and within 4 hours either restore the area(s) to within the temperature limit(s) or declare the equipment in the affected area(s) inoperable.

#### SURVEILLANCE REQUIREMENTS

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4.7.14 The temperature in each of the areas shown in Table 3.7-6 shall be determined to be within its limits:

- a. At least once per seven days when the alarm is OPERABLE, and;
- b. At least once per 12 hours when the alarm is inoperable.





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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 141

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 April 17, 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). The requested changes would modify TS 3.7.14 by clarifying the actions to be taken when an area temperature exceeds its temperature limit.

2.0 EVALUATION

TS 3.7.14 requires that the temperature within various areas of the plant be limited to ensure that the applicable systems, structures, and components are operated within their design bases. Specifically, TS 3.7.14 requires specific actions to be taken with one or more areas exceeding the temperature limits shown in Table 3.7-6 by (1) less than 20°F and for less than 8 hours (TS 3.7.14.a), (2) less than 20°F and more than 8 hours (TS 3.7.14.b), and (3) more than 20°F (TS 3.7.14.c).

In its letter dated April 17, 1997, the licensee stated that the actions to be taken when an area temperature is exceeded by exactly 20°F is not defined nor is the action to be taken when the duration is exactly 8 hours. To correct this issue, the licensee proposed adding the words "greater than or equal to" 8 hours to TS 3.7.14.b and "greater than or equal to" 20°F to TS 3.7.14.c. The licensee stated that this wording change will correct these discontinuities.

The licensee's proposed wording ensures that action is designated for the conditions when area temperature exceeds the limit by exactly 20°F or for a time period exactly equal to 8 hours. In both cases, the licensee placed the more restrictive action when the temperature limits are exceeded by exactly 20°F or for exactly 8 hours. Therefore, the NRC staff has determined that these changes are 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. 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 27798 dated May 21, 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: June 24, 1997