

October 3, 1988

Docket No. 50-423

DISTRIBUTION
See attached page

Mr. Edward J. Mroczka
Senior Vice President
Nuclear Engineering and Operations
Northeast Nuclear Energy Company
Post Office Box 270
Hartford, Connecticut 06141-0270

Dear Mr. Mroczka:

SUBJECT: ISSUANCE OF AMENDMENT (TAC NO. 67072)

The Commission has issued the enclosed Amendment No. 25 to Facility Operating License No. NPF-49 for Millstone Nuclear Power Station, Unit No. 3, in response to your application dated June 21, 1988.

The amendment changes Millstone Unit 3 Technical Specification (TS) 3/4.7.14, "Air Temperature Monitoring," to redefine the temperature zones inside containment and establish temperature limits for these zones.

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

Sincerely,

Original signed by

David H. Jaffe, Project Manager
Project Directorate I-4
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 25 to NPF-49
2. Safety Evaluation

cc w/enclosures:
See next page

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Mr. E. J. Mroczka
Northeast Nuclear Energy Company

Millstone Nuclear Power Station
Unit No. 3

cc:

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AMENDMENT NO. 25 TO FACILITY OPERATING LICENSE NO. NPF-49-MILLSTONE UNIT 3

DATED: October 3, 1988

Docket File

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

NORTHEAST NUCLEAR ENERGY COMPANY, ET AL.*

DOCKET NO. 50-423

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 25
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 June 21, 1988, 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.

*Northeast Nuclear Energy Company is authorized to act as agent and representative for the following Owners: Central Maine Power Company, Central Vermont Public Service Corporation, Chicopee Municipal Lighting Plant, City of Burlington, Vermont, Connecticut Municipal Electric Light Company, Massachusetts Municipal Wholesale Electric Company, Montaup Electric Company, New England Power Company, The Village of Lyndonville Electric Department, Western Massachusetts Electric Company, and Vermont Electric Generation and Transmission Cooperative, Inc., and has exclusive responsibility and control over the physical construction, operation and maintenance of the facility.

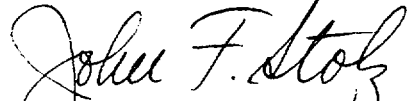
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-49 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 25, 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 30 days 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: October 3, 1988

ATTACHMENT TO LICENSE AMENDMENT NO. 25

FACILITY OPERATING LICENSE NO. NPF-49

DOCKET NO. 50-423

Replace the following page of the Appendix A Technical Specifications with the enclosed page. The revised page is identified by amendment number and contain vertical lines indicating the areas of change. The corresponding overleaf page is provided to maintain document completeness.

Remove

3/4 7-45

Insert

3/4 7-45

TABLE 3.7-6
AREA TEMPERATURE MONITORING

<u>AREA</u>	<u>TEMPERATURE LIMIT (°F)</u>
1. <u>AUXILIARY BUILDING</u>	
AB-02, VCT and Boric Acid Transfer Pump Area, E1 43'6"	≤ 120
AB-03, Charging Pump Area, E1 24'6"	≤ 110
AB-04, General Area, E1 66'6"	≤ 120
AB-06, General Area, E1 43'6"	≤ 120
AB-07, General Area, E1 4'6"	≤ 120
AB-08, General Area (East), E1 4'6"	≤ 120
AB-09, General Area (South), E1 4'6"	≤ 120
AB-10, General Area, E1 4'6"	≤ 120
AB-11, General Area, E1 43'6"	≤ 120
AB-13, General Area (North), E1 4'6"	≤ 120
AB-16, Supplemental Leak Collection Filter Area, E1 66'6"	≤ 120
AB-19, MCC/Rod Drive Area, E1 24'6"	≤ 120
AB-21, MCC Air Conditioning Room, E1 66'6"	≤ 120
AB-22, Rod Drive Area, E1 43'6"	≤ 120
AB-25, Charging Pump Area, E1 24'6"	≤ 110
AB-26, RPCCW Pump Area, E1 24'6"	≤ 110
AB-29, General Area (Southeast), E1 24'6"	≤ 120
AB-33, Boric Acid Tank Area, E1 43'6"	≤ 120
AB-35, Boric Acid Tank Area, E1 43'6"	≤ 120
AB-39, Fuel Building and Auxiliary Building Filter Area, E1 66'6"	≤ 120

Table 3.7-6 (Continued)

AREA TEMPERATURE MONITORING

<u>AREA</u>	<u>TEMPERATURE LIMIT (°F)</u>
2. <u>CONTROL BUILDING</u>	
CB-01, Switchgear and Battery Rooms, El 4'6"	≤ 104
CB-02, Cable Spreading Room, El 24'6"	≤ 110
CB-03, Control and Computer Rooms, El 47'6"	≤ 95
CB-04, Chiller Room, El 64'6"	≤ 104
CB-05, Mechanical Equipment Room, El 64'-6"	≤ 104
3. <u>CONTAINMENT</u>	
CS-01, Inside Crane Wall, El all except CS-03 and CS-04	≤ 120
CS-02, Outside Crane Wall, El all	≤ 120
CS-03, Pressurizer Cubicle, El all	≤ 130
CS-04, Inside Crane wall, El 51'4" except CS-03 and steam generator enclosures	≤ 120
4. <u>INTAKE STRUCTURE</u>	
CW-01, Entire Building	≤ 110
5. <u>DIESEL GENERATOR BUILDING</u>	
DG-01, Entire Building	≤ 120
6. <u>ESF BUILDING</u>	
ES-01, HVAC and MCC Area, El 36'6"	≤ 110
ES-02, SIH Pump Area, El 21'6"	≤ 110
ES-03, Pipe Tunnel Area, El 4'6"	≤ 110
ES-04, RHS Cubicles, El all	≤ 110
ES-05, RSS Cubicles, El all	≤ 110
ES-06, Motor Driven Auxiliary Feedwater Pump Area, El 24'-6"	≤ 110
ES-07, Turbine Driven Auxiliary Feedwater Pump Area, El 24'6"	≤ 110



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 25

TO FACILITY OPERATING LICENSE NO. NPF-49

NORTHEAST NUCLEAR ENERGY COMPANY, ET AL.

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 3

DOCKET NO. 50-423

INTRODUCTION

By application for license amendment dated June 21, 1988, Northeast Nuclear Energy Company (NNECO) proposed changes to Millstone Unit 3 Technical Specification (TS) 3/4.7.14, "Air Temperature Monitoring," to redefine the temperature zones inside containment and establish temperature limits for these zones as listed in Table 3.7-6.

DISCUSSION AND EVALUATION

License condition 2.C(3) in the Millstone Unit 3 Operating License NPF-49 requires that, "Prior to start-up following the first refueling outage, the qualified life of electrical equipment within the scope of 10 CFR 50.49 located inside containment shall be recalculated based on the actual temperature monitored inside containment during the first cycle of operation." License Condition 2.C(3) was satisfied by the licensee by submittal of a report dated January 21, 1988. The June 21, 1988 application would incorporate the conclusion of the January 21, 1988 report into TS 3/4.7.14 which contains temperature limits, and associated remedial requirements, and Surveillance Requirements, for various plant areas that contain temperature sensitive, safety related, electrical equipment. Exceeding the temperature limits of TS 3/4.7.14 could affect the qualified lifetime of safety-related electrical equipment as defined in 10 CFR 50.49, "Environmental qualification of electric equipment important to safety for nuclear power plants."

At the present time, TS 3/4.7.14 defines two temperature zones within containment: (1) Zone C-01, "Inside Crane Wall - All Elevations," and (2) Zone C-02, "Outside Crane Wall - All Elevations," Both C-01 and C-02 have temperature limits of 120°F. The proposed change to TS 3/4.7.14 would establish four containment temperature zones, containing equipment presently located in Zones C-01 and C-02, as follows:

- ° CS-01, "Inside Crane Wall - all elevations except CS-03 and CS-04"
- ° CS-02, "Outside Crane Wall - all elevations"
- ° CS-03, "Pressurizer Cubicle - all elevations"
- ° CS-04, "Inside Crane Wall - elevation 51'4" except CS-03 and steam generator enclosures"

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Temperature limits for Zones C-01, C-02 and C-04 would be 120°F. The temperature limit for Zone C-03 would be 130°F. The licensee has recalculated the qualified lifetime of safety related electrical equipment in Zone C-03 with acceptable results as described in the licensee's submittal dated January 21, 1988.

We have completed our evaluation of the licensee's January 21, 1988 submittal concerning the qualified life of the equipment affected by the higher than predicted temperature. The new qualified life is in accordance with the guidelines of NUREG-0588 and IEEE standard 323-1974. The staff has reviewed all the information provided in the licensee's letter dated January 21, 1988 and finds that the licensee has satisfied the license condition 2.C(3) by reestablishing the qualified life of all affected equipment in an acceptable manner. Accordingly, the proposed change to the TS, which incorporates the results of the licensee's January 21, 1988 submittal into TS 3/4.7.14, is acceptable.

ENVIRONMENTAL CONSIDERATION

This 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 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 published a proposed finding that the amendment involves no significant hazards consideration and there has been no public comment on such finding. 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.

CONCLUSION

We have 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, and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: October 3, 1988

Principal Contributor:

D. H. Jaffe