

June 22, 1988

Docket No. 50-423

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. 67867)

DISTRIBUTION

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The Commission has issued the enclosed Amendment No. 20 to Facility Operating License No. NPF-49 for Millstone Nuclear Power Station, Unit No. 3, in response to your application dated April 15, 1988.

The amendment revised Technical Specification 3/4.6.3 Containment Isolation Valves to allow entry into an operational mode with inoperable containment isolation valves if the LCO for operation for an unlimited time is met.

Your letter requested approval of this amendment on an emergency basis, however, by letter dated April 29, 1988 you informed the NRC that the emergency conditions no longer existed therefore we have used our normal approval procedure.

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

Robert L. Ferguson, Project Manager  
Project Directorate I-4  
Division of Reactor Projects I/II  
Office of Nuclear Reactor Regulation

Enclosures:

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

cc w/enclosures:  
See next page

LA:PDI-4  
SNorris  
6/9/88

PM:PDI-4  
RFerguson:lm  
6/9/88

PD:PDI-4  
JStolz  
6/9/88

SPLB  
JCraig  
6/10/88

OGC  
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6/19/88

\*concurred in notice of issue

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Mr. E. J. Mroczka  
Northeast Nuclear Energy Company

Millstone Nuclear Power Station  
Unit No. 3

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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. 20  
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 15, 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.

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\*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.

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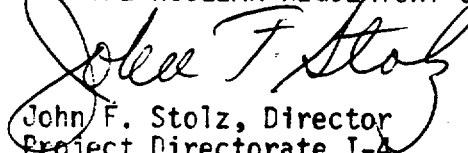
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-49 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 20 , 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.

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: June 22, 1988

ATTACHMENT TO LICENSE AMENDMENT NO. 20

FACILITY OPERATING LICENSE NO. NPF-49

DOCKET NO. 50-423

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

Remove

3/4 6-15

Insert

3/4 6-15

## CONTAINMENT SYSTEMS

### 3/4.6.3 CONTAINMENT ISOLATION VALVES

#### LIMITING CONDITION FOR OPERATION

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3.6.3 The containment isolation valves specified in Table 3.6-2 shall be OPERABLE with isolation times as shown in Table 3.6-2.

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTION:

With one or more of the isolation valve(s) specified in Table 3.6-2 inoperable, maintain at least one isolation valve OPERABLE in each affected penetration that is open and:

- a. Restore the inoperable valve(s) to OPERABLE status within 4 hours, or
- \*b. Isolate each affected penetration within 4 hours by use of at least one deactivated automatic valve secured in the isolation position, or
- \*c. Isolate each affected penetration within 4 hours by use of at least one closed manual valve or blind flange; or
- d. Be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

#### SURVEILLANCE REQUIREMENTS

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4.6.3.1 The isolation valves specified in Table 3.6-2 shall be demonstrated OPERABLE prior to returning the valve to service after maintenance, repair, or replacement work is performed on the valve or its associated actuator, control, or power circuit by performance of a cycling test and verification of isolation time.

4.6.3.2 Each isolation valve specified in Table 3.6-2 shall be demonstrated OPERABLE during the COLD SHUTDOWN or REFUELING MODE at least once per 18 months by:

- a. Verifying that on a Phase "A" Isolation test signal, each Phase "A" isolation valve actuates to its isolation position,
- b. Verifying that on a Phase "B" Isolation test signal, each Phase "B" isolation valve actuates to its isolation position, and
- c. Verifying that on a Containment High Radiation test signal, each purge supply and exhaust isolation valve actuates to its isolation position.

4.6.3.3 The isolation time of each power-operated or automatic valve of Table 3.6-2 shall be determined to be within its limit when tested pursuant to Specification 4.0.5.

\*The provisions of Specification 3.0.4 are not applicable.

TABLE 3.6-2CONTAINMENT ISOLATION VALVES

<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>MAXIMUM ISOLATION TIME (Seconds)</u>
<u>1. Phase A Isolation</u>		
3SSR-CTV26	Reactor Coolant Hot Leg Sample (Inside)	<60
3SSR-CTV27	Reactor Coolant Hot Leg Sample (Outside)	<60
3SSR-CTV22	PZR Liquid Sample (Inside)	<60
3SSR-CTV23	PZR Liquid Sample (Outside)	<60
3SSR-CTV20	PZR Vapor Space Sample (Inside)	<60
3SSR-CTV21	PZR Vapor Space Sample (Outside)	<60
3SSR-CV8026	PRT Gas Sample (Inside)	<60
3SSR-CV8025	PRT Gas Sample (Outside)	<60
3SSR-CTV29	Reactor Coolant Cold Leg Sample (Inside)	<60
3SSR-CTV30	Reactor Coolant Cold Leg Sample (Outside)	<60
3SSR-CTV32	S.I. Accumulator Sample (Inside)	<60
3SSR-CTV33	S.I. Accumulator Sample (Outside)	<60
3SIL-CV8968	Nitrogen to S.I. Accumulators (Inside)	<60
3SIL-CV8880	Nitrogen to S.I. Accumulators (Outside)	<60
3PGS-CV8046	Primary Grade Water to PRT (Inside)	<60



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 20

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 letter dated April 15, 1988, Northeast Nuclear Energy Company (the licensee) proposed a change to the Millstone 3 Technical Specifications (TS) Section 3/4.6.3 Containment Isolation Valves to allow entry into an operational mode with inoperable containment isolation valves. Such mode changes would be permitted if each affected penetration is isolated within 4 hours by use of at least one deactivated automatic valve secured in the isolated position, one closed manual valve, or a blind flange.

EVALUATION

In the existing TS, ACTION statements b. and c. in Section 3/4.6.3 permit continued operation for an unlimited time if penetrations with inoperable isolation valves are isolated by a closed valve or blind flange. However, when such conditions exist mode changes are prohibited by Section 3.0.4.

Millstone Unit No. 3 Technical Specification Section 3.0.4 states that entry into an operational mode or other specified condition shall not be made unless all LCOs are met without reliance on the provisions of the ACTION statements. The intent is to ensure that a higher mode of operation is not entered when equipment is inoperable. This precludes a plant start-up if an LCO is not met, even if the ACTION statements would permit continued operation of the plant for an unlimited period of time. Generally, the individual specifications that have ACTION statements which allow continued operations state that Specification 3.0.4 does not apply. However, the existing TS Section 3/4.6.3 does not so state.

Generically, the NRC has recognized this inconsistent application of exceptions to Specification 3.0.4. To alleviate this problem, on June 4, 1987, the NRC issued Generic Letter 87-09, "Section 3.0 and 4.0 of the Standard Technical Specifications (STS) on the Applicability of Limiting Conditions for Operation and Surveillance Requirements". In that Generic Letter the Staff addressed three specific problems and provided alternatives to the STS to resolve these problems. The Staff also encouraged the licensees to propose changes to their Technical Specifications that will be consistent with the guidance provided in the enclosure of the Generic Letter. NRC approval for the lead Owner's Group

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plant for generic changes to TS Sections 3.0 and 4.0 is expected shortly and the licensee plans to eventually submit a proposed license amendment, as offered by Generic Letter 87-09. A comprehensive, plant-specific review of the applicability of the provisions of the Generic Letter will, of course, precede submittal of the amendment request.

For the present, the licensee proposes to revise TS Section to state that the provisions of Specification 3.0.4 are not applicable to ACTION statements b. and c. in TS 3/4.6.3. This change would make the LCOs for entry into an operational mode consistent with the LCO for operation for an unlimited time. We find this change 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: June 22, 1988

Principal Contributor:  
R. Ferguson