

December 23, 1992

Docket No. 50-423

Mr. John F. Opeka
Executive Vice President, Nuclear
Connecticut Yankee Atomic Power Company
Northeast Nuclear Energy Company
Post Office Box 270
Hartford, Connecticut 06141-0270

Dear Mr. Opeka:

Distribution:

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SUBJECT: ISSUANCE OF AMENDMENT (TAC NO. M84803)

The Commission has issued the enclosed Amendment No. 74 to Facility Operating License No. NPF-49 for Millstone Nuclear Power Station, Unit No. 3, in response to your application dated October 30, 1992.

The amendment revises the Technical Specifications to increase the surveillance test interval for the 4 kV bus undervoltage scheme so that associated logic and alarm relays are actuated once per 18 months rather than monthly.

A copy of the related Safety Evaluation is enclosed. Also enclosed is the notice of issuance which has been forwarded to the Office of the Federal Register for publication.

Sincerely,

Original signed by
D. Jaffe for

Vernon L. Rooney, Senior Project Manager
Project Directorate I-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 74 to NPF-49
2. Safety Evaluation
3. Notice

cc w/enclosures:
See next page

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Mr. John F. Opeka
Northeast Nuclear Energy Company

Millstone Nuclear Power Station
Unit 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. 74
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 October 30, 1992, 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.

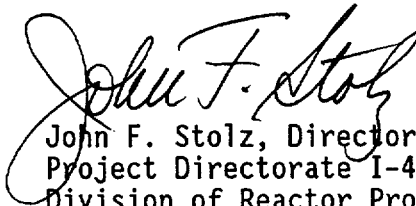
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-49 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 74, 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: December 23, 1992

ATTACHMENT TO LICENSE AMENDMENT NO. 74

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 contains vertical lines indicating the areas of change.

Remove

3/4 3-41

Insert

3/4 3-41

TABLE 4.3-2 (Continued)

TABLE NOTATION

- (1) Each train shall be tested at least every 62 days on a STAGGERED TEST BASIS.
- (2) This surveillance may be performed continuously by the emergency generator load sequencer auto test system as long as the EGLS auto test system is demonstrated operable by the performance of an ACTUATION LOGIC TEST at least once per 92 days.
- (3) On a monthly basis, a loss of voltage condition will be initiated at each undervoltage monitoring relay to verify individual relay operation. Setpoint verification and actuation of the associated logic and alarm relays will be performed as part of the channel calibration required once per 18 months.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 74

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 October 30, 1992, the Northeast Nuclear Energy Company (the licensee), submitted a request for changes to the Millstone Nuclear Power Station, Unit No. 3 Technical Specifications (TS). The requested changes would revise the TS to increase the surveillance test interval for the 4 kV bus undervoltage scheme so that associated logic and alarm relays are actuated once per 18 months rather than monthly.

2.0 EVALUATION

In response to the licensee's request dated October 19, 1989, the staff approved a TS change to Table 4.3-2, "Engineered Safety Features Actuation System (ESFAS) Instrumentation Surveillance Requirements," to clarify loss-of-power (LOP) test requirements. Footnote 3 was added to Item Nos. 8.a, and 8.b of Table 4.3-2 to clarify the trip actuating device operational test (TADOT) as applied to LOP testing. Footnote 3 of Table 4.3-2 specifies the required monthly testing for the 4 kV bus undervoltage scheme. It reads as follows: "On a monthly basis an undervoltage condition will be initiated at the sensing device to verify the operability of trip actuating device and verify that associated logic and alarm relays operate." The original request to modify Table 4.3-2 was not accurate in that it specified testing that was not actually performed at power. By letter dated October 30, 1992, the licensee proposed another TS change to Footnote 3 of Table 4.3-2 which will accurately reflect the surveillance the licensee is to perform. In addition, the licensee provided the bases and justification for the change.

The proposed change to TS Table 4.3-2, Note 3, will retain the monthly testing of the undervoltage and loss of voltage relays and specify that the testing of their associated logic and alarm relays will be performed as part of the channel calibration. Setpoint verification will continue to be performed as part of the channel calibration. Footnote 3 to the TS Table 4.3-2 is being revised to read as follows: "On a monthly basis, a loss of voltage condition will be initiated at each undervoltage monitoring relay to verify individual relay operation. Setpoint verification and actuation of the associated logic

and alarm relays will be performed as part of the channel calibration required once per 18 months."

The licensee states that in order to test the associated logic and alarm relays (i.e., the two of four logic scheme and associated relays), all undervoltage protection would have to be removed from a bus to prevent a loss-of-power signal from being sent to the sequencer. The design of the circuitry does not allow this signal to be blocked. In order to place a channel in a tripped condition, or block a loss-of-power signal, jumpers would have to be installed, and/or leads lifted. Such actions could pose added risks including the possibility of generating a spurious signal, damaging terminal points, and introducing a shock hazard to personnel performing the test. In addition, prior routine testing during shutdown has not indicated any failures of this equipment.

The staff surveillance requirements for operability (at power) for the undervoltage protection involve removing voltage to the degraded voltage and undervoltage relays (one undervoltage or degraded voltage relay at a time). By this proposed change, the TS requirement for the monthly testing of the undervoltage and loss of voltage will continue to include the removing of voltage to the relays one at a time. The change more accurately reflects the scope of testing that can safely be performed on a monthly basis during operation while demonstrating the operability of the undervoltage and the degraded voltage relays. The "associated logic and alarm relays" will be tested as part of the channel calibration once per 18 months. In the staff's view this represents an acceptable frequency of testing.

Based on the above evaluation, the staff believes that the licensee has provided adequate basis to change the testing of the undervoltage and loss of voltage "associated logic and alarm relays" to be performed as part of the channel calibration required once per 18 months. The proposed change meets the staff's interpretation of the surveillance requirements for the undervoltage and loss of voltage relays and is, therefore, 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

Pursuant to 10 CFR 51.21, 51.32, and 51.35, an environmental assessment and finding of no significant impact have been prepared and published in the Federal Register on December 23, 1992 (57 FR 61103). Accordingly, based upon the environmental assessment, the staff has determined that the issuance of the amendment will not have a significant effect on the quality of the human environment.

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: N. K. Trehan

Date: December 23, 1992

UNITED STATES NUCLEAR REGULATORY COMMISSION
NORTHEAST NUCLEAR ENERGY COMPANY
DOCKET NO. 50-423
NOTICE OF ISSUANCE OF AMENDMENT TO
FACILITY OPERATING LICENSE

The U.S. Nuclear Regulatory Commission (Commission) has issued Amendment No. 74 to Facility Operating License No. NPF-49 issued to Northeast Nuclear Energy Company, which revised the Technical Specifications for operation of the Millstone Nuclear Power Station, Unit No. 3, located in New London County, Connecticut. The amendment is effective as of the date of issuance.

The amendment revises the Technical Specifications to increase the surveillance test interval for the 4 kV bus undervoltage scheme so that associated logic and alarm relays are actuated once per 18 months rather than monthly.

The application for the amendment 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 amendment.

Notice of Consideration of Issuance of Amendment and Opportunity for Hearing in connection with this action was published in the FEDERAL REGISTER on November 9, 1992 (57 FR 53360). No request for a hearing or petition for leave to intervene was filed following this notice.

The Commission has prepared an Environmental Assessment related to the action and has determined not to prepare an environmental impact statement. Based upon the environmental assessment, the Commission has concluded that the issuance of this amendment will not have a significant effect on the quality of the human environment (57 FR 61103).

For further details with respect to the action see (1) the application for amendment dated October 30, 1992, (2) Amendment No. 74 to License No. NPF-49, (3) the Commission's related Safety Evaluation, and (4) the Commission's Environmental Assessment. All of these items are available for public inspection at the Commission's Public Document Room, the Gelman Building, 2120 L Street NW., Washington, DC 20555, and at the local public document room located at the Learning Resources Center, Thames Valley Technical College, 574 New London Turnpike, Norwich, Connecticut 06360. A copy of items (2), (3) and (4) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, DC 20555, Attention: Document Control Desk.

Dated at Rockville, Maryland this 23rd day of December 1992.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in black ink, appearing to read "David H. Jaffe", with a long horizontal flourish extending to the right.

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