

March 8, 1993

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

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Dear Mr. Opeka:

SUBJECT: ISSUANCE OF AMENDMENT (TAC NO. M84642)

The Commission has issued the enclosed Amendment No. 77 to Facility Operating License No. NPF-49 for Millstone Nuclear Power Station, Unit No. 3, in response to your application dated September 22, 1992.

The amendment revises the Technical Specification for Millstone Unit 3 to change the measurement range from $\pm 1g$ to $\pm 2g$ for a seismic monitoring instrument, the triaxial peak accelerograph P/A2.

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

Sincerely,

Original signed by

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. 77 to NPF-49
2. Safety Evaluation

cc w/enclosures:
See next page

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OFFICE	LA:PDI-4	PM:PDI-4 <i>VR</i>	D:PDI-4	OGC <i>NLO</i>	
NAME	<i>SNorris</i>	VRooney:cn	JStoiz	<i>MZOBLER</i>	
DATE	<i>2/17/93</i>	<i>2/18/93</i>	<i>2/18/93</i>	<i>2/24/93</i>	<i>1/1</i>

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Document Name: G:\ROONEY\M84642.AMD

*Subject to
minor changes*

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Mr. John F. Opeka
Northeast Nuclear Energy Company

Millstone Nuclear Power Station
Unit 3

cc:

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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. 77
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 September 22, 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.

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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. 77, 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: March 8, 1993

ATTACHMENT TO LICENSE AMENDMENT NO. 77

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 3-48

Insert

3/4 3-48

TABLE 3.3-7
SEISMIC MONITORING INSTRUMENTATION

<u>INSTRUMENTS AND SENSOR LOCATIONS</u>	<u>MEASUREMENT RANGE</u>	<u>MINIMUM INSTRUMENTS OPERABLE</u>
1. Triaxial Time-History Accelerographs		
a. NBE20A Containment Mat. (-24'3")	± 1g (5v/g)	1
b. NBE20B Containment Wall (40'6")	± 1g (5v/g)	1
c. NBE21 Emer. Generator Enclosure Located on Mat in Diesel Fuel Oil Vault (4'6")	± 1g (5v/g)	1
d. NBE22 Aux. Bldg. F-Line Wall Near The Charging Pumps Cooling Surge Tank (46'6")	± 1g (5v/g)	1
2. Triaxial Peak Accelerographs		
a. P/A1 Containment Safety Injection Accum. Tank (-4'7")	± 2g	1
b. P/A2 Safety Injection Accum Disch. Line (-22'10")	± 2g	1
c. P/A3 Aux. Bldg. Charging Pumps Cooling Surge Tank (46'6")	± 1g	1
3a. Triaxial Seismic Trigger		
Horizontal (Control Room)	.01g	1*
Vertical (Control Room)	.006g	1*
3b. Triaxial Seismic Switch		
Horizontal (Control Room)	.09g	1**
Vertical (Control Room)	.06g	1**
4. Triaxial Response-Spectrum Recorders		
a. RSA-50 Spectrum Analyzer (Control Room)	1-32 Hz Peak Acceleration in Gs (Max of 1g)	1*
b. Self-Contained Recorder Steam Generator Support (51'4")	0-30 Hz at ± 2g	1

*With reactor control room indicator. This unit is activated by signals from the NBE20A Triaxial Accelerograph.

**This unit is activated by signals from the NBE20A Triaxial Accelerograph and is connected to an annunciator in the reactor control room.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 77

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 September 22, 1992, the Northeast Nuclear Energy Company (NNECO/licensee), submitted a request for changes to the Millstone Nuclear Power Station, Unit No. 3 Technical Specifications (TS). The requested changes would revise the Technical Specification for Millstone Unit 3 to change the measurement range from $\pm 1g$ to $\pm 2g$ for a seismic monitoring instrument, the triaxial peak accelerograph at the P/A2 Safety Injection Accumulator Discharge Line.

2.0 EVALUATION

Table 3.3-7 of the Technical Specifications lists seismic monitoring instrumentation, and includes the measurement range for each instrument. The present Technical Specifications list $\pm 1g$ as the range for triaxial peak accelerograph P/A2. P/A2 is located on the safety injection accumulator discharge line at the minus 22' 10" elevation. The licensee has compared the range of the instrument with the range of accelerations needed to span anticipated seismic events. The comparison has shown that $\pm 1g$ is not adequate, but that $\pm 2g$ is adequate. There are eight other active/passive devices available for seismic motion analysis at Millstone Unit No. 3. The other devices are considered more reliable. All of these devices provide data following an earthquake, and do not impact the operation of the plant. Changing the range of triaxial peak accelerograph P/A2 to a range that is adequate to span expected responses would improve the usefulness of the device, and has no adverse safety consequences. The increased range of the instrument could add to the confidence of evaluation of building/equipment response data following an earthquake. Based on the above, the staff finds the proposed 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.

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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 (57 FR 48822). 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 Contributors: Gus Giese-Koch
Vernon Rooney

Date: March 8, 1993