

DEC 04 1978

Docket Nos. 50-245  
and 50-336

Northeast Nuclear Energy Company  
ATTN: Mr. W. G. Council, Vice President  
Nuclear Engineering and Operations  
Post Office Box 270  
Hartford, Connecticut 06101

Gentlemen:

The Commission has issued the enclosed Amendment No. 55 to Provisional Operating License No. DPR-21 and Amendment No. 44 to Facility Operating License No. DPR-65 for the Millstone Nuclear Power Station, Unit Nos. 1 and 2. The amendments consist of changes to the Appendix B (Environmental) Technical Specifications in response to your proposed revision dated March 20, 1978.

The amendments revise the common Environmental Technical Specifications (ETS) to eliminate an unintended primary coolant iodine sampling and analyses requirement. The specified  $10^{-6}$   $\mu$  Ci/ml concentration of iodine applies to liquid releases to the environment as noted in footnote (3) of ETS Table 2.4-1. Furthermore, limits on iodine concentration in the primary coolant are specified in the Safety Technical Specifications, Appendix A so that the ETS requirement in question is essentially duplicative. Elimination of Item B of ETS Table 2.4-1, therefore, corrects an error. Deletion of Item B from Table 2.4-1 makes footnote (4) of the Table irrelevant; therefore it also has been eliminated. Note that the changes included here do not in any way affect the Technical Specification limits on releases under normal operating or accident conditions. On this basis we have concluded that the proposed changes are acceptable. However, you should be aware that the Unit 1 Appendix A iodine sampling requirements and limits may be altered in the future, following completion of the Systematic Evaluation Program to include spiking limits and reporting level limits.

We have determined that the amendments do not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendments involve an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental statement, negative declaration, or environmental impact appraisal need not be prepared in connection with the issuance of these amendments.

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We have concluded, based on the considerations above, that the amendments do not involve a significant increase in the probability or consequences of accidents previously considered, do not involve a significant decrease in a safety margin, and therefore do not involve a significant hazards consideration. We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by these actions.

A copy of the related Notice of Issuance is also enclosed.

Sincerely,

Original Signed by:  
Dennis L. Ziemann

Dennis L. Ziemann, Chief  
Operating Reactors Branch #2  
Division of Operating Reactors

Enclosures:

1. Amendment No. 55 to DPR-21
2. Amendment No. 44 to DPR-65
3. Notice of Issuance

cc w/enclosures:  
See next page

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December 4, 1978

cc  
William H. Cuddy, Esquire  
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Counselors at Law  
One Constitution Plaza  
Hartford, Connecticut 06103

Anthony Z. Roisman  
Natural Resources Defense Council  
917 15th Street, N. W.  
Washington, D. C. 20005

Northeast Nuclear Energy Company  
ATTN: Superintendent  
Millstone Plant  
Post Office Box 128  
Waterford, Connecticut 06385

Waterford Public Library  
Rope Ferry Road, Route 156  
Waterford, Connecticut 06385

First Selectman of the Town  
of Waterford  
Hall of Records  
200 Boston Post Road  
Waterford, Connecticut 06385

\*Connecticut Energy Agency  
ATTN: Assistant Director, Research  
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Energy Policy  
20 Grand Street  
Hartford, Connecticut 06106

Director, Technical Assessment  
Division  
Office of Radiation Programs  
(AW-459)  
US EPA  
Crystal Mall #2  
Arlington, Virginia 20460

U. S. Environmental Protection  
Agency  
Region I Office  
ATTN: EIS COORDINATOR  
JFK Federal Building  
Boston, Massachusetts 02203

Mr. James T. Himmelwright  
Post Office Box 270  
Hartford, Connecticut 06101

Nuclear Regulatory Commission,  
Region I  
Office of Inspection and  
Enforcement  
ATTN: John T. Shedlosky  
631 Park Avenue  
King of Prussia, Pennsylvania  
19406

\*w/copy of NNECo incoming dtd 3/20/78



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

THE CONNECTICUT LIGHT AND POWER COMPANY  
THE HARTFORD ELECTRIC LIGHT COMPANY  
WESTERN MASSACHUSETTS ELECTRIC COMPANY  
NORTHEAST NUCLEAR ENERGY COMPANY

DOCKET NO. 50-245

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 55  
License No. DPR-21

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Connecticut Light and Power Company, The Hartford Electric Light Company, Western Massachusetts Electric Company, and Northeast Nuclear Energy Company (the licensees) dated March 20, 1978, 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 3.B of Provisional Operating License No. DPR-21 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 55, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Dennis L. Ziemann, Chief  
Operating Reactors Branch #2  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: December 4, 1978



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

THE CONNECTICUT LIGHT AND POWER COMPANY  
THE HARTFORD ELECTRIC LIGHT COMPANY  
WESTERN MASSACHUSETTS ELECTRIC COMPANY  
NORTHEAST NUCLEAR ENERGY COMPANY

DOCKET NO. 50-336

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 44  
License No. DPR-65

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Connecticut Light and Power Company, The Hartford Electric Light Company, Western Massachusetts Electric Company, and Northeast Nuclear Energy Company (the licensees) dated March 20, 1978, 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.

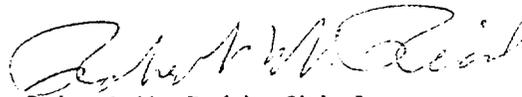
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. DPR-65 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 44, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: December 4, 1978

ATTACHMENT TO LICENSE AMENDMENT NO. 55 TO  
PROVISIONAL OPERATING LICENSE NO. DPR-21 AND  
AMENDMENT NO. 44 TO FACILITY OPERATING LICENSE NO. DPR-65  
DOCKET NOS. 50-245 AND 50-336

Replace the following pages of the Appendix "B" Technical Specifications with the enclosed pages. The revised pages are identified by amendment number and contain vertical lines indicating the area of change.

REMOVE

2.4-15  
2.4-16

INSERT

2.4-15  
2.4-16

Table 2.4-1

## RADIOACTIVE LIQUID SAMPLING AND ANALYSIS

Liquid Source	Sampling Frequency	Type of Activity Analysis	Detectable Concentrations ( $\mu\text{Ci/ml}$ ) (3)
A. Monitor Tank Releases and/or Condensate Polishing Waste Neutralizing Sump Releases (7)	Each Batch	Principal Gamma Emitters	$5 \times 10^{-7}$ (2)
	One Batch/Month	Dissolved Gases	$10^{-5}$
	Weekly Composite (1)	Ba-La-140, I-131	$10^{-6}$
		Sr-89	$5 \times 10^{-8}$
	Monthly Composite (1)	H-3	$10^{-5}$
		Gross Alpha	$10^{-7}$
Quarterly Composite (1)	Sr-90	$5 \times 10^{-8}$	
B. Deleted			
C. Steam Generator Blowdown (Unit 2 Only)	Weekly (6)	Principal Gamma Emitters	$5 \times 10^{-7}$ (2)
		Ba-La-140, I-131	$10^{-6}$
	One Sample/Month (6)	Dissolved Gases	$10^{-5}$
		Sr-89	$5 \times 10^{-8}$
	Monthly Composite (5)	H-3	$10^{-5}$
		Gross alpha	$10^{-7}$
	Quarterly Composite (5)	Sr-90	$5 \times 10^{-8}$

DPR-21 Amendment No. 30, 46, 55  
DPR-65 Amendment No. 14, 30, 44

Table 2.4-1 (Continued)

- (1) A composite sample is one in which the quantity of liquid sampled is proportional to the quantity of liquid waste discharged.
- (2) For certain mixtures of gamma emitters, it may not be possible to measure radionuclides in concentrations near their sensitivity limits when other nuclides are present in the sample in much greater concentrations. Under these circumstances, it will be more appropriate to calculate the concentrations of such radionuclides using measured ratios with those radionuclides which are routinely identified and measured.
- (3) The detectability limits for activity analysis are based on the technical feasibility and on the potential significance in the environment of the quantities released. For some nuclides, lower detection limits may be readily achievable and when nuclides are measured below the stated limits, they shall also be reported.
- (4) Deleted
- (5) To be representative of the average quantities and concentrations of radioactive materials in liquid effluents, samples should be collected in proportion to the rate of flow of the effluent stream. Prior to analyses, all samples taken for the composite should be thoroughly mixed in order for the composite sample to be representative of the average effluent release.
- (6) These analyses are required when the steam generator gross activity (sampled and analyzed 3 times per week as per the Safety Technical Specifications Table 4.7-2) exceeds  $1 \times 10^{-7} \mu \text{Ci/ml}$ .
- (7) Sampling and analysis of the Condensate Polishing Waste Neutralizing Sumps, for the activity analysis shown in Table 2.4-1, are required only when the steam generator gross activity exceeds  $1 \times 10^{-7} \mu \text{Ci/ml}$ .

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NOS. 50-245 AND 50-336NORTHEAST NUCLEAR ENERGY COMPANY  
THE CONNECTICUT LIGHT AND POWER COMPANY  
THE HARTFORD ELECTRIC LIGHT COMPANY, AND  
WESTERN MASSACHUSETTS ELECTRIC COMPANYNOTICE OF ISSUANCE OF AMENDMENTS TO OPERATING  
LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 55 to Provisional Operating License No. DPR-21 and Amendment No. 44 to Facility Operating License No. DPR-65 to Northeast Nuclear Energy Company, The Connecticut Light and Power Company, The Hartford Electric Light Company, and Western Massachusetts Electric Company (the licensees), which revised the Appendix B Technical Specifications for operation of the Millstone Nuclear Power Station, Unit Nos. 1 and 2, located in the Town of Waterford, Connecticut. The amendments are effective as of their date of issuance.

These amendments modify the Technical Specifications by deleting the primary coolant iodine sampling and analyses requirement.

The application for the amendments 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 amendments. Prior public notice of these amendments was not

required since the amendments do not involve a significant hazards consideration.

The Commission has determined that the issuance of these amendments will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of these amendments.

For further details with respect to this action, see (1) the application for amendments dated March 20, 1978, (2) Amendment Nos. 55 and 44 to Licenses Nos. DPR-21 and DPR-65, respectively, and (3) the Commission's related approval letter. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. and at the Waterford Public Library, Rope Ferry Road, Route 156, Waterford, Connecticut. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, this 4th day of December, 1978.

FOR THE NUCLEAR REGULATORY COMMISSION

Dennis L. Ziemann, Chief  
Operating Reactors Branch #2  
Division of Operating Reactors