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Dockets Nos. 50-245
 and 50-336

Northeast Nuclear Energy Company
 ATTN: Mr. D. C. Switzer
 President
 P. O. Box 270
 Hartford, Connecticut 06101

Gentlemen:

The Commission has issued the enclosed Amendment No. 36 to Provisional Operating License No. DPR-21 and Amendment No. 24 to Facility Operating License No. DPR-65 for the Millstone Nuclear Power Station, Units Nos. 1 and 2. The amendments consist of changes to the environmental portions of the Technical Specifications in response to your applications dated September 1, 1976 (as supplemented by letter dated December 24, 1976) and January 7, 1977.

These amendments modify the Environmental Technical Specifications (3.1.2.1.10 and 3.2) to (1) decrease the counting frequency of impinged species of fish and shellfish from daily to three times per week and delete the prompt reporting requirement in the event that monthly fish impingement limits are exceeded and (2) substitute an additional monthly thermoluminescent dosimeters (TLD) sample for the previously approved semiannual TLD sample.

Copies of the related Safety Evaluation and Environmental Impact Appraisal and the Notice of Issuance and Negative Declaration are also enclosed.

Sincerely,

George Lear, Chief
 Operating Reactors Branch #3
 Division of Operating Reactors

Enclosures:

1. Amendment No. 36 to License No. DPR-21
2. Amendment No. 24 to License No. DPR-65

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OFFICE	3 - Safety Evaluation and Environmental Impact Appraisal	ORB#3	ORB#3	OELD	ORB#3
BURNING	4 - Notice of Negative Declaration	CParrish	DJaffe:acr		GLear
DATE		2/ 177	2/ 177	2/ 177	2/ 177

Northeast Nuclear Energy Company

- 2 -

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Waterford, Connecticut 06385

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Washington, D. C. 20460

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

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

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. 36
License No. DPR-21

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The applications for amendment by the Connecticut Light and Power Company, The Hartford Electric Light Company, Western Massachusetts Electric Company and Northeast Nuclear Energy Company (the licensees), dated September 1, 1976 (as supplemented by letter dated December 24, 1976) and January 7, 1977, comply 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. 36, 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



George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: March 10, 1977

ATTACHMENT TO LICENSE AMENDMENT NO. 36

TO THE TECHNICAL SPECIFICATIONS

PROVISIONAL OPERATING LICENSE NO. DPR-21

DOCKET NO. 50-245

Replace the following pages of the Environmental Technical Specifications contained in Appendix B of the above indicated license with the attached pages bearing the same numbers, except as otherwise indicated. The changed areas on the revised pages are reflected by a marginal line.

Remove

3.1-17
3.1-22
3.1-23
3.2-7

Insert

3.1-17
3.1-22
3.1-23
3.2-7

Impingement MonitoringObjective

Fish impingement shall be monitored to assure that impingement losses remain at levels compatible with the local populations of fish and shellfish.

Specification

A minimum of three days each week, with no more than four days between counts, fish and shellfish washed from the traveling screens into the collection baskets over a 24-hour period shall be identified, counted, and the length recorded according to three length categories (0 - 3", 3 - 6", and >6") for each Unit. Impingement records for Units Nos. 1 and 2 shall be combined after each day's count to maintain a cumulative running total within each month for each species. The number of each species impinged per month shall be estimated by calculating the daily average of the cumulative total in any month and multiplying the daily average by the number of days in each month.

Reporting Requirements

The number of each species impinged shall be reported on a routine basis as described in Section 5.6. Data shall be reported by unit, species and length categories.

The annual operating report shall include an analysis of the relationship between the estimated size of the species population (based on the relative abundance data collected according to specifications 3.1.2.1.3, 3.1.2.1.6 and 3.1.2.1.7) and the number impinged on the intake screens.

Bases

Historical fish impingement levels at Millstone Unit No. 1 have not been found to constitute a significant adverse impact based upon extensive studies of resident and migratory fish species.

Using the numbers observed at Unit No. 1 predictions were made for Unit No. 2. The predictions were judged acceptable in terms of environmental impact. Initially, monthly report levels were established for each species size category impinged. The basis for including these report levels was that the observed data could be used to establish a maximum level and that this maximum level would be the highest monthly total that would normally be impinged at the plant. However, the two years of data on which these report levels were based were not adequate to define the year-to-year variability of the many species collected on the screens, and the species size category report levels did not account for one dominant size category growing into the next. Yearly comparisons will be made to determine the relationships between species relative population size and the number impinged for the purpose of determining the plant impact on the species population in the site vicinity instead of the report levels.

DELETED

DELETED

Table 3.2-1
Millstone Radiological Environmental
Monitoring Program--Terrestrial Stations

Locations	Distance and Direction (a)	Gamma Dose	Sample Type (b) and Analysis (c)			
			Air Particulate (e) (1)	Soil		
1. Onsite--Old Millstone Road	0.5 miles NW	M	W1 - M2 - Q5	--		
2. Onsite--Weather Shack	0.5 miles S	M	W1 - M2 - Q5	--		
3. Onsite--Bird Sanctuary	0.5 miles NE	M	W1 - M2 - Q5(f)	A2,5		
4. Onsite--Albacore Drive	1.0 miles N	M	W1 - M2 - Q5(f)	A2,5		
5. Onsite--Navy Laboratory	0.5 miles SE	M	--	--		
6. Onsite--Quarry Discharge Canal Fence	0.5 miles SSE	M	--	--		
7. Onsite--Fox Island	0.5 miles ESE	M	--	--		
8. Onsite--Millstone Environmental Lab.	0.5 miles ESE	M	--	--		
9. Onsite--Bay Point Beach (Information Center)	0.5 miles NNW	M	--	--		
10. Pleasure Beach	1.0 miles E	M	W1 - M2 - Q5	A2,5		
11. New London Country Club	1.5 miles NE	M	W1 - M2 - Q5(f)	A2,5		
12. Fisher's Island, New York *	8.0 miles ESE	M	W1 - M2 - Q5	--		
13. Mystic, Connecticut *	11.5 miles ENE	M	W1 - M2 - Q5	--		
14. Ledyard, Connecticut *	11.5 miles NE	M	W1 - M2 - Q5(f)	A2,5		
15. Montville, Connecticut *	14.0 miles N	M	W1 - M2 - Q5	A2,5		
16. Old Lyme, Connecticut *	9.0 miles W	M	W1 - M2 - Q5	--		
			<u>Milk (d, g)</u>	<u>Groundwater</u>	<u>Fruit</u>	<u>Vegetables</u>
17. Well No. 1	1.5 miles NE	--		SA1,2,4,5	--	--
18. Well No. 2	1.0 miles NE	--		SA1,2,4,5	--	--
19. Dairy Farm No. 1	5.0 miles NW	M3,5		--	--	--
20. Dairy Farm No. 2	8.0 miles NNW	M3,5		--	--	--
21. Dairy Farm No. 3	11.0 miles NE	M3,5		--	--	--
22. Dairy Farm No. 4 *	11.0 miles WNW	M3,5		--	--	--
23. Goat Farm No. 1	2.5 miles ENE	TM3-M5 (composite)		--	--	--
24. Goat Farm No. 2 *	11.0 miles NNE	TM3-M5 (composite)		--	--	--
25. Fruit and Vegetables	--	--		--	SA2,5(h)	SA2,5(h)

a. From Millstone Unit 1 to nearest half mile

b. W = weekly, TM = twice a month, M = monthly, Q = quarterly, SA = semiannual, A = annual

c. 1 = gross beta; 2 = gamma spectrum; 3 = I-131; 4 = H-3; 5 = Sr-89, Sr 90, Cs-137.

d. During the period April through October and once in February.

e. Analyses are done on monthly and quarterly composites of the weekly air particulate samples collected at each station.

f. Includes a charcoal filter to be analyzed weekly for I-131 at inhalation dose levels.

g. Grass is substituted if milk is not available.

h. To be collected at the middle and end of the harvest season when available from representative commercial farms.

i. Comparisons between inner stations (within 1.5 miles) and outer stations (greater than 1.5 miles) will be made instead of using a control station concept.

* Control Station



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

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

DOCKET NO. 50-336

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 24
License No. DPR-65

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The applications for amendment by the Connecticut Light and Power Company, The Hartford Electric Light Company, Western Massachusetts Electric Company and Northeast Nuclear Energy Company (the licensees) dated September 1, 1976 (as supplemented by letter dated December 24, 1976) and January 7, 1977, comply 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.

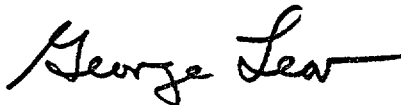
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-65 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 24, 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



George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: March 10, 1977

ATTACHMENT TO LICENSE AMENDMENT NO. 24
TO THE TECHNICAL SPECIFICATIONS
FACILITY OPERATING LICENSE NO. DPR-65
DOCKET NO. 50-336

Replace the following pages of the Environmental Technical Specifications contained in Appendix B of the above indicated license with the attached pages bearing the same numbers, except as otherwise indicated. The changed areas on the revised pages are reflected by a marginal line.

Remove

3.1-17
3.1-22
3.1-23
3.2-7

Insert

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3.1-22
2.1-23
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Impingement MonitoringObjective

Fish impingement shall be monitored to assure that impingement losses remain at levels compatible with the local populations of fish and shellfish.

Specification

A minimum of three days each week, with no more than four days between counts, fish and shellfish washed from the traveling screens into the collection baskets over a 24-hour period shall be identified, counted, and the length recorded according to three length categories (0 - 3", 3 - 6", and >6") for each Unit. Impingement records for Units Nos. 1 and 2 shall be combined after each day's count to maintain a cumulative running total within each month for each species. The number of each species impinged per month shall be estimated by calculating the daily average of the cumulative total in any month and multiplying the daily average by the number of days in each month.

Reporting Requirements

The number of each species impinged shall be reported on a routine basis as described in Section 5.6. Data shall be reported by unit, species and length categories.

The annual operating report shall include an analysis of the relationship between the estimated size of the species population (based on the relative abundance data collected according to specifications 3.1.2.1.3, 3.1.2.1.6 and 3.1.2.1.7) and the number impinged on the intake screens.

Bases

Historical fish impingement levels at Millstone Unit No. 1 have not been found to constitute a significant adverse impact based upon extensive studies of resident and migratory fish species.

Using the numbers observed at Unit No. 1 predictions were made for Unit No. 2. The predictions were judged acceptable in terms of environmental impact. Initially, monthly report levels were established for each species size category impinged. The basis for including these report levels was that the observed data could be used to establish a maximum level and that this maximum level would be the highest monthly total that would normally be impinged at the plant. However, the two years of data on which these report levels were based were not adequate to define the year-to-year variability of the many species collected on the screens, and the species size category report levels did not account for one dominant size category growing into the next. Yearly comparisons will be made to determine the relationships between species relative population size and the number impinged for the purpose of determining the plant impact on the species population in the site vicinity instead of the report levels.

DELETED

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Table 3.2-1
Millstone Radiological Environmental
Monitoring Program--Terrestrial Stations

Locations	Distance and Direction (a)	Gamma Dose	Sample Type (b) and Analysis (c)					
			Air Particulate (e) (1)	Soil	Milk (d, g)	Groundwater	Fruit	Vegetables
1. Onsite--Old Millstone Road	0.5 miles NW	M	W1 - M2 - Q5	--				
2. Onsite--Weather Shack	0.5 miles S	M	W1 - M2 - Q5	--				
3. Onsite--Bird Sanctuary	0.5 miles NE	M	W1 - M2 - Q5(f)	A2,5				
4. Onsite--Albacore Drive	1.0 miles N	M	W1 - M2 - Q5(f)	A2,5				
5. Onsite--Navy Laboratory	0.5 miles SE	M	--	--				
6. Onsite--Quarry Discharge Canal Fence	0.5 miles SSE	M	--	--				
7. Onsite--Fox Island	0.5 miles ESE	M	--	--				
8. Onsite--Millstone Environmental Lab.	0.5 miles ESE	M	--	--				
9. Onsite--Bay Point Beach (Information Center)	0.5 miles NNW	M	--	--				
10. Pleasure Beach	1.0 miles E	M	W1 - M2 - Q5	A2,5				
11. New London Country Club	1.5 miles NE	M	W1 - M2 - Q5(f)	A2,5				
12. Fisher's Island, New York *	8.0 miles ESE	M	W1 - M2 - Q5	--				
13. Mystic, Connecticut *	11.5 miles ENE	M	W1 - M2 - Q5	--				
14. Ledyard, Connecticut *	11.5 miles NE	M	W1 - M2 - Q5(f)	A2,5				
15. Montville, Connecticut *	14.0 miles N	M	W1 - M2 - Q5	A2,5				
16. Old Lyme, Connecticut *	9.0 miles W	M	W1 - M2 - Q5	--				
17. Well No. 1	1.5 miles NE	--			Milk (d, g)	Groundwater	Fruit	Vegetables
18. Well No. 2	1.0 miles NE	--				SA1,2,4,5	--	--
19. Dairy Farm No. 1	5.0 miles NW	M3,5				SA1,2,4,5	--	--
20. Dairy Farm No. 2	8.0 miles NNW	M3,5					--	--
21. Dairy Farm No. 3	11.0 miles NE	M3,5					--	--
22. Dairy Farm No. 4 *	11.0 miles WNW	M3,5					--	--
23. Goat Farm No. 1	2.5 miles ENE	TM3-M5 (composite)					--	--
24. Goat Farm No. 2 *	11.0 miles NNE	TM3-M5 (composite)					--	--
25. Fruit and Vegetables	--	--					SA2,5(h)	SA2,5(h)

a. From Millstone Unit 1 to nearest half mile

b. W = weekly, TM = twice a month, M = monthly, Q = quarterly, SA = semiannual, A = annual

c. 1 = gross beta; 2 = gamma spectrum; 3 = I-131; 4 = H-3; 5 = Sr-90, Sr 90, Cs-137.

d. During the period April through October and once in February.

e. Analyses are done on monthly and quarterly composites of the weekly air particulate samples collected at each station.

f. Includes a charcoal filter to be analyzed weekly for I-131 at inhalation dose levels.

g. Grass is substituted if milk is not available.

h. To be collected at the middle and end of the harvest season when available from representative commercial farms.

i. Comparisons between inner stations (within 1.5 miles) and outer stations (greater than 1.5 miles) will be made instead of using a control station concept.

* Control Station



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

SAFETY EVALUATION AND ENVIRONMENTAL IMPACT APPRAISAL

BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NOS. 36 AND 24 TO OPERATING LICENSE
NOS. DPR-21 AND DPR-65

DOCKETS NOS. 50-245 AND 50-336

MILLSTONE NUCLEAR POWER STATION UNITS NOS. 1 AND 2

Introduction

By applications for license amendments dated September 1, 1976 (as supplemented by letter dated December 24, 1976) and January 7, 1977, Northeast Nuclear Energy Company (NNECO) requested changes to the Environmental Technical Specifications (ETS) for Millstone Units Nos. 1 and 2. The application dated September 1, 1976 addresses the Impingement Monitoring Program described in ETS 3.1.2.1.10 and requests (1) a decrease in counting frequency of impinged species of fish and shell fish from daily to three times per week, and (2) deletion of the prompt reporting requirement in the event that monthly fish impingement limits are exceeded. The application dated January 7, 1977, addresses the Radiological Environmental Monitoring Program as described in ETS 3.2 and requests deletion of the semi-annual thermoluminescent dosimeter (TLD) samples with substitution of an additional monthly TLD sample.

In the course of reviewing the September 1, 1976 application, we found it necessary to make changes to the proposed ETS. The changes were discussed with and agreed to by NNECO.

I. Safety Considerations

The changes to the Millstone Units Nos. 1 and 2 Environmental Technical Specifications discussed below involve changes to the Impingement and Radiological Environmental Monitoring programs. The proposed changes in no way affect reactor safety and therefore there is no decrease in any safety margin nor any increase in the probability or consequences of any accident previously considered.

Conclusion on Safety

We have concluded, based on the considerations discussed above, that: (1) because the amendments do not involve a significant increase in the probability or consequences of accidents previously considered and do not involve a significant decrease in a safety margin, the amendments do not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of these amendments will not be inimical to the common defense and security or to the health and safety of the public.

II. Environmental Impact Appraisal

The following sections present a discussion and our appraisal of the environmental aspects of NNECO's proposed changes to the Millstone Units Nos. 1 and 2 Environmental Technical Specifications.

1. Impingement Monitoring - Decrease in Counting Frequency

Millstone Units Nos. 1 and 2 Environmental Technical Specification Section 3.1.2.1.10 requires that daily counts shall be taken for all species washed from the traveling screens on Units Nos. 1 and 2; impinged fish and shellfish are to be identified, counted and measured. NNECO proposes that ETS 3.1.2.1.10 be modified by reducing the frequency of counting from daily to three times per week to provide some flexibility in the sampling program but without losing the accuracy of the impingement estimates.

To establish the expected loss of information from reducing the sampling frequency, NNECO was requested by letter dated October 26, 1976, to perform an analysis on the winter flounder impingement data for the years 1973, 1974, and 1975. The winter flounder is considered an "important" species in the site vicinity. By letter dated December 24, 1976, NNECO presented the results of monthly impingement estimates produced by selecting three days per week (Monday, Wednesday, and Friday) from the daily data and then computing the percent difference from the actual monthly total. Over the three years the maximum percent difference for any month was 83.4 and the minimum was 0.0. The average error or percent difference within each year was calculated by averaging the monthly percent differences. These values were 27.3, 18.3 and 15.0% respectively for the years 1973, 1974, and 1975.

The potential loss of data over an entire year was also calculated. This error was determined from the percent difference of the averages for each year using all data versus data chosen on a Monday, Wednesday, and Friday schedule. This resulted in an error range in the yearly impingement estimate of 6.2 to 14.6 percent.

NNECO believes that an average monthly error of between 27.3 and 15.0 percent is well within the variability normally associated with biological sampling and will result in reasonable impingement estimates.

We have reviewed the Millstone biological sampling programs and find that the variability associated with the fish sampling (trawling) is much higher than average monthly loss of information. Furthermore, the reduced sampling frequency will result in impingement estimates which are still reasonable, particularly in that the yearly estimate should be within 15 percent of the number resulting from daily counts. For example, the winter flounder population estimate for the site vicinity for 10 weeks in 1976 has a 16% error associated with the value.

We conclude that the resulting loss of information will not affect future analyses when comparisons are made of yearly impingement estimates with the population sizes in the site vicinity and therefore, the decrease in impingement count frequency from daily to at least three times per week is acceptable.

2. Impingement Monitoring - Deletion of Prompt Reporting Requirements Following Exceeding Monthly Impingement Limits

Continuous daily counts have been made of the numbers of organisms impinged at Millstone Unit No. 1 since 1972. These data were tabulated and scanned to identify the maximum monthly number of each species-size category that occurred over the three year period prior to establishing the present monthly report levels for both units contained in Millstone Units Nos. 1 and 2 ETS Table 3.1-1. If the impingement levels are exceeded, ETS 3.1.2.1.10 requires that a nonroutine (prompt) report be submitted.

Impingement report levels have been exceeded for several species at Millstone Units Nos. 1 and 2 during 1976. NNECO contends that the overruns can be explained on the basis of increased local abundance and changes in size class distributions which are different from the distributions on which report levels were based. Accordingly, NNECO has proposed changes to the monthly impingement limits.

In addition to reviewing the changes in impingement limits proposed by NNECO we have also reviewed the basis for the requirement of the monthly report levels and the need for associated nonroutine reports. At the time the ETS were issued, NNECO had collected impingement data and felt that maximum levels could be established based on the prior data. We judged these predicted estimates for both Units Nos. 1 and 2 to be acceptable in terms of environmental impact and included them in the ETS to assure continued protection of fish populations.

We have reviewed NNECO's proposal to increase the monthly impingement report levels by applying a statistical method referred to as "the extreme value of statistic" to the observed data. According to NNECO, the new report level would normally be exceeded 5% of the time based on some simplifying assumptions. Although we believe that other statistical approaches, especially a nonparametric one might have fewer underlying assumptions, the extreme value statistic would be adequate if such a level were needed; however, the staff has reviewed the basis and need for monthly impingement report levels on the impinged species and finds that they are no longer necessary. The basis for including levels in the ETS was that the observed data could be used to establish a maximum level and this level would be the highest that would normally be impinged at the plant. However, the two years of data on which these levels were based were not adequate to define the year to year variability of the 91 species collected on the screens. Moreover, the species-size categories did not account for one dominant size category growing into the next. To illustrate the problem, numerous reports were sent to NRC by NNECO in 1976 concerning 21 impinged species. The overruns of the report levels were determined, after examination of the trawling and seining data and operational records of the plant, to be due to the fluctuating abundance of the species population in the site vicinity or to shifts in the size class structure of the population and not due to a change in the operation of the station. Report levels would only be needed for species where a limit could be established at which potential harm could come to the species population in the site vicinity. In such a case, when a level was exceeded and reported then changes in plant operation or design would be required to return the number to below that level. For the species impinged at the Millstone station, except the winter flounder, these levels can not be established because yearly population size estimates are not available for all impinged species because of significant variability in total species and class abundance. Moreover, it is not believed that such levels are justified based on the low number of organisms impinged on the screens and the large population existing in the Millstone area and in the contiguous Long Island Sound. For the winter flounder, population size estimates are made according to ETS 4.2, a separate Technical Specification, and have been compared with the number impinged. This comparison indicates that only a small percent of the population is impinged by the station (<5%) and

therefore, a report level is not needed at this time.

Instead of using population size estimates, which are extremely costly and time consuming, the trends in the catch per unit of effort from the particular species sampling program can be compared with the impingement estimates to determine the relationship between the species population size and the number impinged. For example, if the number impinged remains constant or increases while the population size (as estimated by the catch per unit of effort) decreases or remains constant, respectively, then mitigating action may be needed. NNECO will continue to report impingement data in the annual report. In addition, NNECO will provide, pursuant to ETS 3.1.2.1.10., an annual determination of the relationship between the size of population and the number of that species impinged.

In conclusion, the report levels are no longer needed as there is no basis for their establishment and yearly comparison can be made to determine the relationship between the species relative population size and the numbers impinged. Accordingly, the deletion of the nonroutine reporting requirement and the associated monthly impingement levels from the ETS is acceptable.

3. Radiological Environmental Monitoring - Deletion of the Semi-Annual TLD Sample

NNECO has proposed to change the gamma monitoring frequency for the 16 sampling stations specified in Table 3.2-1 of ETS 3.2. The present method employs two thermoluminescent dosimeters (TLD's) at each station with one TLD obtaining monthly data and the second obtaining semi-annual data. It is proposed that both TLD's be set to obtain monthly data. This change exceeds the sampling frequency proposed in Table 2 of Regulations Guide 4.8, "Environmental Technical Specifications for Nuclear Power Plants".

It is our conclusion that elimination of the semi-annual TLD sample and substitution of an additional monthly TLD sample will increase the reliability of obtaining operational data and it is therefore appropriate that this change be made to Table 3.2-1 of ETS 3.2.

Conclusion and Basis for Negative Declaration

On the basis of the foregoing analysis, it is concluded that there will be no significant environmental impact attributable to the proposed action. Having made this conclusion, the Commission has further concluded that no environmental impact statement for the proposed action need be prepared and that a negative declaration to this effect is appropriate.

Dated: March 10, 1977

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKETS NOS. 50-245 AND 50-336

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

NOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY
OPERATING LICENSES

AND NEGATIVE DECLARATION

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 36 to Provisional Operating License No. DPR-21 and Amendment No. 24 to Facility Operating License No. DPR-65, issued 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 Environmental Technical Specifications for operation of the Millstone Nuclear Power Station, Units Nos. 1 and 2 (the facilities), located in the Town of Waterford, Connecticut. The amendments are effective as of their date of issuance.

The amendments modified the Environmental Technical Specifications for the facilities to (1) decrease the counting frequency of impinged species of fish and shellfish from daily to three times per week and delete the prompt reporting requirement in the event that monthly fish impingement limits are exceeded and (2) substitute an additional monthly thermoluminescent dosimeter (TLD) sample for the previously approved semi-annual TLD sample.

The applications for the amendments comply 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.

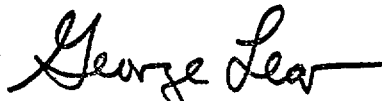
The Commission has prepared an environmental impact appraisal for the revised Technical Specifications and has concluded that an environmental impact statement for this particular action is not warranted because there will be no significant environmental impact attributable to the proposed action.

For further details with respect to this action, see (1) the applications for amendment dated September 1, 1976 (as supplemented by letter dated December 24, 1976) and January 7, 1977, (2) Amendments Nos. 36 and 24 to Licenses Nos. DPR-21 and DPR-65, and (3) the Commission's related Safety Evaluation and Environmental Impact Appraisal. 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 06101.

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 10 day of March 1977.

FOR THE NUCLEAR REGULATORY COMMISSION



George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors