

## NRC DISTRIBUTION for PART 50 DOCKET MATERIAL

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DESCRIPTION Ltr notarized 4-19-76 requests for changes to Enviro Tech Specs for Millstone Units 1 &amp; 2 Plants &amp; trans the following:

ENCLOSURE Proposed & revised ~~h~~ changes to ETS for Millstone...

(40 cys encl rec'd)

PLANT NAME: Millstone Units 1 &amp; 2

DO NOT REMOVE

ACKNOWLEDGED

## SAFETY

## FOR ACTION/INFORMATION

## ENVIRO

DHL 4-30-76

ASSIGNED AD :

ASSIGNED AD : MOORE

BRANCH CHIEF : (2) Lear

BRANCH CHIEF :

PROJECT MANAGER:

PROJECT MANAGER :

LIC. ASST. :

LIC. ASST. :

Jaffee  
Parrish

## INTERNAL DISTRIBUTION

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<input checked="" type="checkbox"/> NRC PDR (2)	HEINEMAN	TEDESCO	ERNST
<input checked="" type="checkbox"/> I & E (2)	SCHROEDER	BENAROYA	<input checked="" type="checkbox"/> BALLARD
<input checked="" type="checkbox"/> OELD		LAINAS	SPANGLER
<input checked="" type="checkbox"/> GOSSICK & STAFF	ENGINEERING	IPPOLITO	
MIRC	MACCARY		SITE TECH
CASE	KNIGHT	OPERATING REACTORS	GAMMILL
HANAUER	SINWELL	STELLO	STAPP
HARLESS	PAWLICKI		HULMAN
		OPERATING TECH	
PROJECT MANAGEMENT	REACTOR SAFETY	<input checked="" type="checkbox"/> EISENHUT - L+R	SITE ANALYSIS
BOYD	ROSS	SHAO	<input checked="" type="checkbox"/> VOLMER - L+R
P. COLLINS	NOVAK	BAER	BUNCH
HOUSTON	ROSZTOCZY	SCHWENCER	<input checked="" type="checkbox"/> J. COLLINS
PETERSON	CHECK	<input checked="" type="checkbox"/> GRIMES	<input checked="" type="checkbox"/> KREGER
MELTZ			
<input checked="" type="checkbox"/> HELTEMES	AT & E	SITE SAFETY & ENVIRO	
SKOVHOLT	SALTSMAN	ANALYSIS	
	RUTBERG	<input checked="" type="checkbox"/> DENTON & MULLER	

## INTERNAL DISTRIBUTION

## CONTROL NUMBER

<input checked="" type="checkbox"/> LDR: Waterford	<input checked="" type="checkbox"/> NATL LAB - PNWL	BROOKHAVEN NATL LAB
<input checked="" type="checkbox"/> TIC	REG. V-IE	ULRIKSON (ORNL)
<input checked="" type="checkbox"/> NSIC	LA PDR	
<input checked="" type="checkbox"/> ASLB	CONSULTANTS	
<input checked="" type="checkbox"/> ACRS 16	TO L.H.	

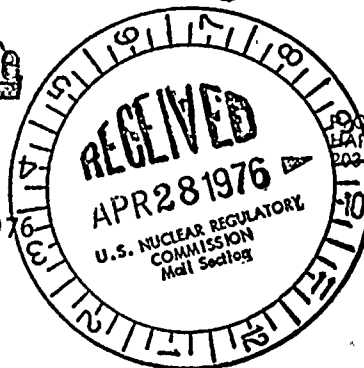
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**NNECO**

NORTHEAST NUCLEAR ENERGY COMPANY  
A NORTHEAST UTILITIES COMPANY

Regulatory Docket File

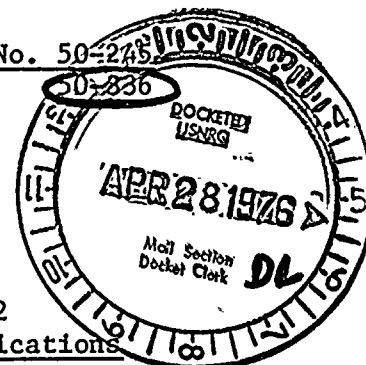
April 19, 1976



BOX 270  
HARTFORD, CONNECTICUT 06101  
203-566-6911

Director of Nuclear Reactor Regulation  
Attn: Mr. G. Lear, Chief  
Operating Reactors Branch #3  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Docket No. 50-245



Dear Sir:

Millstone Nuclear Power Station, Units No. 1 and 2  
Proposed Revisions to Environmental Technical Specifications

Pursuant to Section 5.6.3 of the Millstone Unit No. 1 (License No. DPR-21) and Unit No. 2 (License No. DPR-65) Environmental Technical Specifications (ETS), Northeast Nuclear Energy Company hereby proposes to incorporate the following proposed changes to the ETS.

Specifically, NNECo proposes to delete sections 4.3, Lobster Habitat Sampling; and 4.5, Intake Velocity Profile Measurements, as these programs have been completed and their respective reports have been submitted.

In addition, NNECo proposes to modify sections 3.1.2.1.5, Benthic Survey; and 3.1.2.1.7, Trawling; as indicated on the attached sheets. These proposals concern improvements in sampling frequencies and locations based upon analyses of existing data.

Finally, NNECo proposes to delete section 3.1.2.1.8, Ichthyoplankton and Zooplankton Survey; as this program was to terminate after December, 1975.

The Millstone Environmental Review Board has reviewed and approved these proposed revisions.

Your favorable action on this request will be appreciated.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

*D. C. Switzer*  
D. C. Switzer  
President

Attachments

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PROPOSED CHANGES

Regulatory Docket File

4-19-76

3.1.2.1.5 Benthic Survey, Page 3.1-9

Benthic survey intertidal sand sample replicates to be decreased from ten (10) to five (5).

Analysis of existing data show that comparable data are obtained with only 5 subsamples in the intertidal zone. Similar numbers of species are obtained with 5 subsamples as are obtained with 10.

3.1.2.1.7 Trawling, page 3.1-12

Trawl stations 1, 4 and 10 to be relocated to stations 2, 5, and 14 respectively as shown in ETS Figure 3.1-2. Stations 7 and 9 are to be deleted while an additional trawl will be taken at station 11.

Trawls taken over the last year of stations 2, 5, and 14 show that these stations are more easily sampled (because of bottom configurations) and therefore provide more consistent and uniform catches. Stations 7 and 9 have also been difficult to sample due to uneven bottom contours and obstructions, thereby providing little comparable data.

3.1.2.1.8 Ichthyoplankton Survey, page 3.1-13

Delete this section. As shown on page 3.1-14, the ichthyoplankton program was to terminate after December, 1975.



### 2.1.5 Benthic Survey

#### Objective

The objective is to examine in detail the populations of benthic organisms in order to describe any plant effects.

#### Specification

During the months of March, June, September and December benthic samples shall be taken at the stations shown in Figure 3.1-1. For the subtidal rocky-substrate samples, divers descend to the station mooring block and record the general appearance of the plot and the number of species of fish. Five sampling quadrats are then established as follows: a 10-foot line marked at 2-foot intervals is attached to the center of the block; the first sample is taken 2 feet from the block; the line is then swung 72 degrees ( $1/5$  of 360 degrees) clockwise and a second sample is taken 4 feet from the block; the process is repeated so that the five samples taken 2, 4, 6, 8, and 10 feet from the block are 72 degrees apart.

Each of the five quadrats, delineated by a frame with inside measurements of 25 by 25 centimeters, is scraped clean with a knife or diving tool. As the sample is scraped it is sucked through a tube, and delivered to a bag of fine mesh net material at the upper end of the tube. Air is provided by a standard SCUBA tank. When a quadrat has been scraped clean, the bag is removed and corked and a new bag is fitted into place for the next quadrat. The same methods are used for the intertidal rock substrate samples with the exception of SCUBA.

Upon return to the laboratory, all samples taken on rocky substrates are frozen until processed. Processing includes sorting, identifying, counting where possible, drying and weighing to the nearest tenth of a gram. Due to the time involved in processing, the invertebrates, once sorted from the algae, are preserved in 70 percent ethanol. The algae are placed in seawater and refrigerated until identified and readied for drying. Identifications are made to the lowest taxon possible.

On subtidal sand stations ten core samples each 10 cm in diameter and 5 cm deep are taken within a 10-foot diameter quadrat established by the same methods described above for rocky substrates. Five samples are taken on intertidal sand stations.

All sand samples, upon return to the laboratory, are frozen until ready for processing. Samples are sieved through a 1-millimeter-mesh screen and the organisms retained on the screen are then placed in 70 percent ethanol. Processing includes identification to the lowest practical taxon, counting, and recording the size range to the nearest millimeter for each species.

#### Reporting Requirement

A non-routine report shall be submitted to NRC in accordance with Section 5.6.2.a.(2) when gross changes in population species composition or abundance





#### 3.1.2.1.7 Trawling

##### Objective

The objectives of this study are to provide information on the occurrence and distribution of the larger ground fish in the area; to give data on food preferences, reproductive activity, and condition factors; and to provide recaptures for the fish tagging study.

##### Specification

A 30-foot otter trawl with 1/4-inch cod-end liner shall be used to trawl six locations around Millstone Point every other week. (Stations 2, 5, 6, 8, 11, 14 Fig. 3.1-2). All fish and invertebrates collected shall be identified and measured in the field. Efforts will be made to release uninjured individuals alive.

##### Reporting Requirement

Reports shall be issued on a routine basis as described in Section 5.6.1. Marked or gross changes, beyond seasonal variations, in species abundance, composition or feeding habits, will be cause for the submittal of a non-routine report in accordance with Section 5.6.2.a.(2). Disappearance of a previously common or abundant species (e.g., flounder) shall also be the cause for submitting a non-routine report.

##### Bases

The basis for this program element is that data on changes in overall species compositions and abundances in the area are necessary for continuous monitoring of the plant's operation and surveillance of its effects, if any, on the regional biota.

