



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

C 10470
10/15/00
[Seal of the Department of Environmental Protection]

EMERGENCY AUTHORIZATION

EA 0100176

I. Pursuant to Connecticut General Statutes (C.G.S.) 22a-6k, an Emergency Authorization is hereby issued to:

Northeast Nuclear Energy Company (NNECO)
Post Office Box 128
Waterford, CT 06385-0128

to initiate, create, originate or maintain a discharge to the waters of the state (Long Island Sound) at:

Niantic Bay via Discharges Permitted Under NPDES Permit No. CT0003263, and
Other Locations Authorized Herein Associated with Cooling Water Intakes, Fire Protection Systems and
Plant Maintenance Systems at
Millstone Nuclear Power Station Units 1, 2 and 3
Rope Ferry Road
Waterford, CT 06385-0128

II. This Emergency Authorization ("Authorization") specifically allows NNECO to:

- (1) Discharge Unit 2 and 3 chlorinated and non-chlorinated pump lubrication water and pump leak off water to existing cooling water intake structures and existing discharge locations;
(2) Discharge Unit 2 and 3 service water and circulating water strainer backwash wastewater and screenwash wastewater;
(3) Increase the total maximum daily flow for Millstone Unit 3 from 1,313,200,000 gallons per day (gpd) to 1,410,600,000 gpd (as specified in Table 1 on page 6 of correspondence D12024 referenced in section V. of this Authorization) dated February 6, 1998 to David Cherico from F.C. Rothen;
(4) Discharge incidental concentrations of ethanolamine (ETA) resulting from the previously authorized additions of ETA to Unit 3 feedwater and condensate systems. These incidental discharges (as described in Letter D12418) of ETA shall be authorized to DSN 001C via DSNs 001C-2, 001C-3, 001C-4, 001C-6(b), and 001C-9 of NPDES Permit CT0003263, issued December 14, 1992;
(5) In the event of automatic plant shutdown, or other emergency situation, discharge condenser hotwell wastewater on a continuous basis via DSN 001C-8 of NPDES Permit CT0003263. NNECO shall notify the Commissioner, in writing, within 24 hours after such discharge commences;
(6) Discharge incidental non-radioactive wastewaters from numerous intermittent sources from Units 2 and 3 (as described in Letter D12938) to DSN 006 of NPDES Permit CT0003263, issued December 14, 1992;
(7) Discharge incidental concentrations of ethanolamine (ETA) and hydrazine resulting from the previously authorized additions of ETA and hydrazine within secondary units at Units 2 and 3. These incidental discharges (as described in Letter D12938) of ETA and hydrazine shall be authorized to DSN 006 of NPDES Permit CT0003263;
(8) In the event of automatic plant shutdown, or other emergency situation, discharge Unit 3

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condensate surge tank wastewater to DSN 006 of NPDES Permit CT0003263. NNECO shall notify the Commissioner, in writing, within 24 hours after such discharge commences;

- (9) Discharge wastewater treated for hydrazine removal through air sparging and/or hydrogen peroxide addition from the Unit 2 Condensate Polishing Unit (DSN 001B-6). Such wastewaters may also contain residual concentrations of ammonia, hydrogen peroxide and ETA;
- (10) Discharge wastewater containing hydrazine resulting from previously authorized additions of hydrazine to Unit 2 feedwater systems via DSN 001B-1 during start-up, hot stand-by and shutdown conditions;
- (11) Discharge Unit 1 service water strainer backwash to DSN 002 of NPDES Permit number CT0003263;
- (12) Discharge chlorinated and non-chlorinated intake pump seal water from Unit 1 service water, circulating water, and screenwash pumps to the existing cooling water intake structure and existing discharge locations;
- (13) Discharge fire water system wastewaters (as documented in Letter D1329), including:
 - (a) Fire pump (P-82) gland run off water to DSN 009 of CT0003263 or to the ground;
 - (b) Pressure relief valve discharge from fire pump (M7-8) to a trap rock dispersion area;
 - (c) Fire pump (M7-8) gland run off to DSN 009 of CT0003263;
 - (d) Diesel powered fire pump (M7-7) cooling water and relief valve discharges to DSN 009 of CT0003263;
 - (e) Fire pump (M7-7) gland run off water to pump house floor drains;
- (14) Redirect the discharge of Unit 1 and Unit 2 chemistry laboratory wastewaters (as documented in Letter D15453) from DSN 001A-2 to DSN 001B-2.
- (15) Increase the maximum daily flow from DSN 001B of NPDES Permit No. CT0003263 to 844,550,000 gallons per day;
- (16) Increase the maximum daily flow from DSN 001B-5 of NPDES Permit No. CT0003263 to 51,840,000 gallons per day;
- (17) Convert the primary source of Unit 2 circulating water pump lubrication water from chlorinated domestic water to plant service water. Chlorinated domestic water may remain available to use as a backup source of water supply;
- (18) Discharge incidental concentrations of ethanolamine (ETA) and hydrazine from Units 1 and 2 resulting from the previously authorized additions of ETA and hydrazine within secondary units at Units 2 and 3. These incidental discharges (as described in Letter D15084) of ETA and hydrazine shall be authorized to DSN 001 of NPDES Permit CT0003263.

III. This Emergency Authorization shall become effective on the date it is issued, and shall expire upon a final determination on NNECO's application for reissuance of NPDES Permit No. CT0003263 or upon the Commissioner's determination that the requirements of Section 22a-6k of the Connecticut General Statutes are no longer applicable to the activities authorized herein, whichever is sooner. NNECO shall update the

documented need for this Emergency Authorization as requested. Upon issuance of this Authorization, Emergency Authorizations EA0100128S issued on December 28, 1999, EA0100133RS issued on May 12, 2000, EA0100142R issued on October 29, 1999 and EA0100143R issued on October 3, 1999 shall expire and no longer be in effect.

IV. The fee of \$500.00 has been submitted for issuance of this Authorization

V. This Authorization has been issued based on information contained in various submittals, including but not limited to the following:

1. Letter D11848 from D. Amerine to J. Grier received December 22, 1997;
2. Letter D00362 from S. Scace to J. Grier dated August 11, 1997;
3. Letter D11528 from S. Scace to M. Harder dated September 24, 1997;
4. Letter from M. Harder to S. Scace dated October 1, 1997;
5. Letter D11681 from D.B. Amerine to M. Harder Dated November 5, 1997;
6. Letter D12024 from F.C. Rothen to David Cherico dated February 6, 1998;
7. Letter dated August 13, 1997 from M. Harder to S. Scace;
8. Letter D10304, dated October 4, 1996 from S. Scace to M. DiNoia;
9. Letter D12418 request for Emergency Authorization Millstone Unit 3 from Dennis Welch to James Grier received April 29, 1998.
10. Numerous correspondences from Northeast Nuclear Energy Company to DEP as referenced in Letter (D13038) from Paul M. Jacobson to James Grier dated September 1, 1998 and all documents referenced therein;
11. Correspondence D13275 dated September 15, 1998 from P. Jacobson to M. Harder and all documents referenced therein;
12. Correspondences D13239 and D13164 from Paul M. Jacobson to James Grier dated September 22, 1998 and August 26, 1998 respectively, and all documents referenced therein;
13. Correspondence D15453 from Paul Jacobson to James Grier dated February 3, 2000 and all documents referenced therein.
14. Millstone Nuclear Power Station Technical Specification Manuals for Units 1, 2, and 3.
15. Correspondence D16432 dated October 2, 2000 from Paul M. Jacobson to James Grier and all documents referenced therein.

VI. 1. DEFINITIONS

The definitions of terms used in this Authorization shall be the same as the definitions contained in C.G.S. section 22a-423, and section 22a-430-3(a) of the Regulations of Connecticut State Agencies.

Any person who, or municipality which initiates, creates, originates, or maintains a discharge for which an authorization is issued must comply with that authorization. If the source or activity generating the discharge for which an authorization is issued is owned by one person or municipality but is leased or in some other way the legal responsibility of another person or municipality (the discharger), the discharger is responsible for compliance with any authorization issued by the Commissioner.

VII. EFFLUENT LIMITATIONS & SPECIAL CONDITIONS:

- (1) The following discharge limits shall not be exceeded at any time:
 - (a) The flow of the Units 2 and 3 service water strainer backwashes shall not exceed 2600 gallons per minute.
 - (b) The discharge of Units 2 and 3 pump lubrication and leak off wastewater shall be maintained only when such discharges are necessary for plant operation.
 - (c) The pH of the Units 2 and 3 service water strainer backwash discharges shall not be less than 6.0 or greater than 9.0 standard units at any time.

- (2) The following special conditions shall be complied with at all times:
 - (a) The Units 2 and 3 service water strainer backwash discharges shall not exceed the limitations specified in section VII. (1) above of this Authorization. The treatment system(s) shall be maintained as necessary to ensure that all limitations are met.
 - (b) Best management practices shall be implemented to ensure that no litter, debris, building materials or similar materials are discharged to the waters of the state.
 - (c) Operational practices as outlined on page four, section 3) A. 1 and 2 of the December 22, 1997 correspondence D11848 from Northeast Utilities to James Grier (Ref: Attachment 1) shall be implemented at all times.
 - (d) The management practices referenced as a) through d) on pages 3 and 4 of Letter D12418 (Ref: Attachment 2) shall be followed during all periods of discharge.
 - (e) The management practices referenced as e) on page 4 of Letter D12418 (Ref: Attachment 2) shall be followed upon commencement of discharge at DSN 001C-9.
 - (f) No discharge shall cause a violation of any condition or effluent limit as set forth in NPDES Permit CT0003263, except as authorized herein.
 - (g) The total mass of ETA discharged from Millstone Unit 3 during any day shall not exceed 686 kilograms.
 - (h) During discharge of 001C-8 pursuant to section II.(5) of this Authorization, the maximum daily flow of 001C-8 may exceed 100,000 gallons per day provided the total daily flow from Millstone Unit 3 during that day does not exceed 1,410,600,000 gallons.
 - (i) Units 2 and 3 service water chlorine injection points may be used as specified in submittals from NNECO referenced herein. At all times chlorine injection shall be regulated to maintain the minimum

concentration needed to inhibit or eliminate biological activity.

- (j) The concentration of hydrazine at DSN 006 shall not exceed either 50 ppb monthly average or 300 ppb daily maximum.
- (k) During periods when auxiliary feedwater is used in the Unit 2 steam generators, the total daily combined mass of hydrazine discharged via DSN 001B-1 and DSN 001B-1(a) shall not exceed 33.12 kg/day at a hydrazine concentration of no more than 125 ppm.
- (l) With respect to hydrazine treatment at DSN 001B-6 (Unit 2 Condensate Polishing Facility), treatment practices as set forth in section 2 (pages 4-6) of correspondence (D13038) from NNECO to J. Grier dated September 1, 1998 (Ref: Attachment 3) shall be implemented.
- (m) During all periods of discharge, measures to mitigate the impact of ETA on the receiving water shall be implemented as specified in Letter D12418 referenced in section V. (9) of this Authorization.

VIII. MONITORING REQUIREMENTS:

- (a) Unless otherwise specified in this Authorization, all samples collected to verify compliance with the limits in this Authorization shall be grab samples. All samples shall be collected at points specified in this Authorization.
- (b) On a semi-annual basis (June and December) sampling for chlorine (free, and total residual) shall be conducted between the trash racks and traveling screens at Units 2 and 3. These samples shall be collected from the intake bays of active circulation pumps.
- (c) On a semi-annual basis (June and December) sampling for chlorine (free, and total residual) shall be conducted at Units 1, 2 and 3 for discharges from:
 - (1) The circulating water pump lubrication strainer backwash or source water for the circulating water pump lubrication strainer for Units 2 and 3.
 - (2) The service water strainer backwash for Units 1, 2 and 3.
 - (3) Flow estimates and field pH measurements of these discharges shall be recorded during every sampling event.
- (d) On a monthly basis daily composite sampling for ethanalamine (ETA) and hydrazine shall be conducted at the DSN 006 sampling station; flow monitoring and the range of pH measurements shall be recorded for each sampling event.
- (e) During periods when auxiliary feedwater is used in the Unit 2 steam generators, weekly grab sampling for hydrazine shall be conducted at DSN001B-1; total daily flow and pH measurements shall be recorded during each sampling event.
- (f) On a quarterly basis (March, June, September and December) sampling for ETA shall be conducted at DSNs 001C-2, 001C-3, 001C-4, 001-6(b), and 001C-9 of NPDES Permit No. CT0003263.
- (g) In the event of an emergency condenser hotwell discharge as authorized in section II.(5) of this Authorization, DSN 001C-8 shall be monitored weekly for ETA and all associated pollutant parameters required pursuant to NPDES Permit No. CT0003263.
- (h) On a quarterly basis (March, June, September and December) submit a summary of activities relative to the discharge of fire water system discharges as authorized in section II. (13) of this Authorization.

- (i) On a quarterly basis (March, June, September, and December) sampling for ETA and hydrazine shall be conducted at DSNs 001A-2, 001B-2, and 001B-3. Estimated total daily flow shall be recorded for every sampling event.
- (j) On a weekly basis sampling for hydrazine, ammonia nitrogen, and, when used, hydrogen peroxide shall be conducted at the Unit 2 Condensate Polishing Facility (DSN 001B-6). Estimated total daily flow, estimated instantaneous flow, and estimated number of discharge hours per day shall be recorded for each sampling event.
- (k) All sample analyses which are required by this Authorization shall be performed using methods approved in accordance with 40CFR Part 136 or as approved in writing by the Commissioner, or as pending before the Commissioner in correspondence D10304 dated October 4, 1996.

IX. REPORTING REQUIREMENTS:

- (a) Unless otherwise stated in this Authorization, NNECO shall submit the results of all monitoring as required in section VIII. of this Authorization on a quarterly basis, no later than 30 days following the last month of each quarter (March, June, September, and December). A monthly summary of any violations of any of the limitations, terms or conditions of this Authorization, cause of any violation(s), and corrective action(s) undertaken and/or planned shall be submitted within 30 days of the beginning of the following month. NNECO shall comply with all reporting and notification requirements as specified in Sections 22a-430-3 and 4 of the Regulations of Connecticut State Agencies and as required in this Authorization. All monitoring reports and notifications specified herein shall be submitted to DEP at the address noted in section IX. (c) of this Authorization.
- (b) All reports shall be submitted in a reporting format prescribed by the Commissioner, as attached to this Authorization, or as later revised by the Commissioner.
- (c) If a violation of any of the discharge limits specified in this Authorization occurs, the Commissioner shall be notified within 2 hours of becoming aware of the circumstances, or the next business day if NNECO becomes aware of such circumstances outside of normal business hours. Written notification must be submitted to the DEP within 48 hours at the following address:

Mr. James Grier
Department of Environmental Protection
Water Management Bureau
Bureau of Water Management
79 Elm Street
Hartford, CT 06106-5127.
- (d) NNECO shall notify the DEP in writing of the date of final discontinuance of any discharge authorized herein.

X. OTHER REQUIREMENTS:

- a) NNECO shall comply with all applicable Regulations of Connecticut State Agencies, including, without limitation,

Section 22a-430-3
Subsection (b) General - subparagraph (1)(D) and subdivisions (2), (3), (4) and (5)

Subsection (c) Inspection and entry
Subsection (d) Effect of a Permit - subdivisions (1) and (4)
Subsection (e) Duty to Comply
Subsection (f) Proper Operation and Maintenance
Subsection (g) Sludge Disposal
Subsection (h) Duty to Mitigate
Subsection (i) Facility Modifications, Notification - subdivisions
(1) and (4)
Subsection (j) Monitoring Records and Reporting Requirements - subdivisions
(1), (6), (7), (8), (9), and (11) (except subparagraphs (9)(A)(2), and (9)(C))
Subsection (k) Bypass
Subsection (m) Effluent Limitations Violations
Subsection (n) Enforcement
Subsection (o) Resource Conservation
Subsection (p) Spill Prevention and Control
Subsection (q) Instrumentation, Alarms, Flow Recorders
Subsection (r) Equalization

Section 22a-430-4

Subsection (t) Prohibitions
Subsection (p) Revocation, Denial, Modification, Appendices

- b) The following additional terms and conditions shall be complied with:
1. This Authorization is for the discharge of (A) pollutants in quantities and concentrations as specified in this Authorization and in correspondence submitted by NNECO, as set forth in section II. of this Authorization; and (B) any substances resulting from the processes or activities described in this Authorization and correspondence by NNECO, as set forth in sections I. and II. of this Authorization in concentrations and quantities which the Commissioner determines cannot reasonably be expected to cause pollution. However, the Commissioner may seek an injunction or issue an order to prevent or abate pollution, and may seek criminal penalties against a person who willfully or with criminal negligence causes or threatens pollution.
 2. Discharge of any substance which is not from the processes or activities described in this Authorization in correspondence submitted by NNECO, as set forth in sections I. and II. of this Authorization, shall be considered a violation of this Authorization unless it is authorized by an individual permit issued under Section 22a-430 of the General Statutes or a general permit issued under section 22a-430b of the General Statutes.
 - 3) Within fifteen days after the date NNECO becomes aware of a change in any information submitted to the Commissioner under any registration of this Authorization, or that any such information was inaccurate or misleading or that any relevant information was omitted, NNECO shall submit the correct or omitted information in writing to the Commissioner.
 - 4) Nothing in this Authorization shall relieve NNECO of other obligations under applicable federal, state and local law.
 - 5) Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under this Authorization by NNECO shall be signed

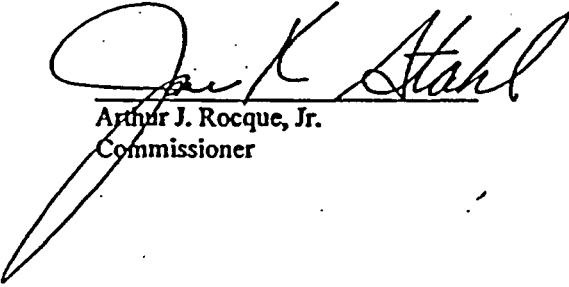
by NNECO and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows: "I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense".

- 6) Any false statement in any information submitted pursuant to this Authorization may be punishable as a criminal offense under Section 22a-438 of the General Statutes or, in accordance with Section 22a-6, under Section 53a-157 of the General Statutes.
- 7) The Commissioner reserves the right to make appropriate revisions to this Emergency Authorization in order to establish any appropriate effluent limitations, schedules of compliance, or other provisions which may be necessary to adequately protect human health and the environment.
- 8) The Commissioner may order summary suspension of this Authorization in accordance with Section 4-182 of the Connecticut General Statutes.

I find that this Authorization is necessary to prevent, abate or mitigate an imminent threat to human health and the environment, and such Authorization is not inconsistent with the Clean Water Act.

Entered as an Emergency Authorization of the Commissioner of Environmental Protection.

10/13/00
Date


Arthur J. Rocque, Jr.
Commissioner

Facility ID. 152-003
Application No. 2000-10EA
Authorization No. EA0100176

AUTHORIZATION

INITIAL SCREENING OR SUBSEQUENT MONITORING RESULTS

(Semi-Annual Monitoring June/December)

MAIL TO:

Attention: James Grier, Supervising Sanitary Engineer
Bureau of Water Management, PERD
CT Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

FACILITY ID. 152-003 APPLICATION NO. 2000-10EA AUTHORIZATION NO. EA0100176

NAME OF DISCHARGER: Northeast Nuclear Energy Company
SITE NAME & ADDRESS Millstone Nuclear Power Company - Rope Ferry Road -
Waterford, CT 06385-0128

DISCHARGE LOCATION: Niantic Bay
(Name of waterbody or sanitary sewer)

WATER QUALITY CLASSIFICATION: SB

Sample Date: _____
Number of hours of discharge for each day of sample collection: _____
Check one: SAMPLE COLLECTED FROM Between Trash Racks and Traveling Screens

Reporting of the following parameters is required. Requirements for reporting a specific parameter are indicated on the Authorization form. For initial screening, report additional parameters that are known or suspected to be present. For subsequent monitoring, if any parameters exceed limits specified in this Authorization, report the results and place "FAIL" in the space provided, otherwise place "PASS" in the space provided.

<u>POLLUTANT PARAMETER</u>	<u>RESULTS (w/units)</u>	<u>LIMITS</u>
Free Chlorine (Intake Bay # _____) Total Residual Chlorine	_____ _____	monitor only monitor only
Free Chlorine (Intake Bay # _____) Total Residual Chlorine	_____ _____	monitor only monitor only
Free Chlorine (Intake Bay # _____) Total Residual Chlorine	_____ _____	monitor only monitor only
Free Chlorine (Intake Bay # _____) Total Residual Chlorine	_____ _____	monitor only monitor only
Free Chlorine (Intake Bay # _____) Total Residual Chlorine	_____ _____	monitor only monitor only
Free Chlorine (Intake Bay # _____) Total Residual Chlorine	_____ _____	monitor only monitor only

ALL PARAMETERS SPECIFIED ABOVE ("PASS OR "FAIL") _____

AUTHORIZATION

INITIAL SCREENING OR SUBSEQUENT MONITORING RESULTS

(Semi-Annual Monitoring June/December)

MAIL TO:

Attention: James Grier, Supervising Sanitary Engineer
Bureau of Water Management, PERD
CT Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

FACILITY ID. 152-003 APPLICATION NO. 2000-10EA AUTHORIZATION NO. EA0100176

NAME OF DISCHARGER: Northeast Nuclear Energy Company
SITE NAME & ADDRESS Millstone Nuclear Power Company - Rope Ferry Road -
Waterford, CT 06385-0128

DISCHARGE LOCATION: Niantic Bay
(Name of waterbody or sanitary sewer)

WATER QUALITY CLASSIFICATION: SB

Sample Date: _____
Number of hours of discharge for each day of sample collection: _____
Check one: SAMPLE COLLECTED FROM Lubrication Strainer Backwash or Source Water for Pump Lubrication Water

Reporting of the following parameters is required. Requirements for reporting a specific parameter are indicated on the Authorization form. For initial screening, report additional parameters that are known or suspected to be present. For subsequent monitoring, if any parameters exceed limits specified in this Authorization, report the results and place "FAIL" in the space provided, otherwise place "PASS" in the space provided.

<u>POLLUTANT PARAMETER</u>	<u>RESULTS (w/units)</u>	<u>LIMITS</u>
(Source: _____) pH	_____	6.0 - 9.0 s.u.
Free Chlorine	_____	monitor only
Total Chlorine	_____	monitor only
Flow	_____	monitor only
(Source: _____) pH	_____	6.0 - 9.0 s.u.
Free Chlorine	_____	monitor only
Total Chlorine	_____	monitor only
(Source: _____) pH	_____	6.0 - 9.0 s.u.
Free Chlorine	_____	monitor only
Total Chlorine	_____	monitor only
Flow	_____	monitor only

(Source: _____)

pH
Free Chlorine
Total Chlorine
Flow

6.0-9.0 s.u.
monitor only
monitor only
monitor only

(Source: _____)

pH
Free Chlorine
Total Chlorine
Flow

6.0-9.0 s.u.
monitor only
monitor only
monitor only

PARAMETERS SPECIFIED ABOVE ("PASS OR "FAIL")

AUTHORIZATION

INITIAL SCREENING OR SUBSEQUENT MONITORING RESULTS
(Monthly Monitoring)

MAIL TO: Attention: James Grier, Supervising Sanitary Engineer
Bureau of Water Management, PERD
CT Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

FACILITY ID. 152-003 APPLICATION NO. 2000-10EA AUTHORIZATION NO. EA0100176

NAME OF DISCHARGER: Northeast Nuclear Energy Company
SITE NAME & ADDRESS Millstone Nuclear Power Company - Rope Ferry Road -
Waterford, CT 06385-0128

DISCHARGE LOCATION: Niantic Bay
(Name of waterbody or sanitary sewer)

WATER QUALITY CLASSIFICATION: SB

Sample Date: _____
Number of hours of discharge for each day of sample collection: _____
Check one: SAMPLE COLLECTED FROM: Discharge location associated with NPDES Permit CT003263

Reporting of the following parameters is required. Requirements for reporting a specific parameter are indicated on the Authorization form. For initial screening, report additional parameters that are known or suspected to be present. For subsequent monitoring, if any parameters exceed limits specified in this Authorization, report the results and place "FAIL" in the space provided, otherwise place "PASS" in the space provided.

<u>POLLUTANT PARAMETER</u>	<u>RESULTS (w/units)</u>	<u>LIMITS</u>
<u>DSN 006</u> Ethanolamine	_____	monitor only
Hydrazine	_____	300 ppb
Hydrazine (monthly average)	_____	50 ppb.
pH Range	_____	monitor only
Flow	_____	monitor only
<u>DSN 001C-2</u> Ethanolamine	_____	monitor only
<u>DSN 001C-3</u> Ethanolamine	_____	monitor only
<u>DSN 001C-4</u> Ethanolamine	_____	monitor only
<u>DSN 001-6(b)</u> Ethanolamine	_____	monitor only

DSN 001C-9
Ethanolamine

monitor only

DSN 001A-2
Ethanolamine
Hydrazine
Flow (estimated)

monitor only
monitor only
monitor only

DSN 001B-2
Ethanolamine
Hydrazine
Flow (estimated)

monitor only
monitor only
monitor only

DSN 001B-3
Ethanolamine
Hydrazine
Flow (estimated)

monitor only
monitor only
monitor only

PARAMETERS SPECIFIED ABOVE ("PASS OR FAIL")

PARAMETER	UNIT	VALUE	STATUS
Ethanolamine	ppm	10	Pass
Hydrazine	ppm	5	Pass
Flow (estimated)	gpm	1.5	Pass
Ethanolamine	ppm	12	Pass
Hydrazine	ppm	6	Pass
Flow (estimated)	gpm	1.6	Pass
Ethanolamine	ppm	11	Pass
Hydrazine	ppm	5	Pass
Flow (estimated)	gpm	1.5	Pass

AUTHORIZATION

INITIAL SCREENING OR SUBSEQUENT MONITORING RESULTS
(Weekly Monitoring)

MAIL TO: Attention: James Grier, Supervising Sanitary Engineer
Bureau of Water Management, PERD
CT Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

FACILITY ID. 152-003 APPLICATION NO. 2000-10EA AUTHORIZATION NO. EA0100176

NAME OF DISCHARGER: Northeast Nuclear Energy Company
SITE NAME & ADDRESS Millstone Nuclear Power Company - Rope Ferry Road -
Waterford, CT 06385-0128

DISCHARGE LOCATION: Niantic Bay
(Name of waterbody or sanitary sewer)

WATER QUALITY CLASSIFICATION: SB

Sample Date: _____
Number of hours of discharge for each day of sample collection: _____
Check one: SAMPLE COLLECTED FROM Unit 2 Polishing Facility - DSN 001B-6

Reporting of the following parameters is required. Requirements for reporting a specific parameter are indicated on the Authorization form. For initial screening, report additional parameters that are known or suspected to be present. For subsequent monitoring, if any parameters exceed limits specified in this Authorization, report the results and place "FAIL" in the space provided, otherwise place "PASS" in the space provided.

<u>POLLUTANT PARAMETER</u>	<u>RESULTS (w/units)</u>	<u>LIMITS</u>
Week 1 - Date _____		
Hydrazine	_____	monitor only
Ammonia Nitrogen	_____	monitor only
Hydrogen Peroxide	_____	monitor only
Instantaneous Flow (estimated)	_____	monitor only
Total Daily Flow (estimated)	_____	monitor only
Hours of Discharge (estimated)	_____	monitor only
Week 2 - Date _____		
Hydrazine	_____	monitor only
Ammonia Nitrogen	_____	monitor only
Hydrogen Peroxide	_____	monitor only
Instantaneous Flow (estimated)	_____	monitor only
Total Daily Flow (estimated)	_____	monitor only
Hours of Discharge (estimated)	_____	monitor only

Week 3 - Date _____

Hydrazine	_____	monitor only
Ammonia Nitrogen	_____	monitor only
Hydrogen Peroxide	_____	monitor only
Instantaneous Flow (estimated)	_____	monitor only
Total Daily Flow (estimated)	_____	monitor only
Hours of Discharge (estimated)	_____	monitor only

Week 4 - Date _____

Hydrazine	_____	monitor only
Ammonia Nitrogen	_____	monitor only
Hydrogen Peroxide	_____	monitor only
Instantaneous Flow (estimated)	_____	monitor only
Total Daily Flow (estimated)	_____	monitor only
Hours of Discharge (estimated)	_____	monitor only

Week 5 - Date _____

Hydrazine	_____	monitor only
Ammonia Nitrogen	_____	monitor only
Hydrogen Peroxide	_____	monitor only
Instantaneous Flow (estimated)	_____	monitor only
Total Daily Flow (estimated)	_____	monitor only
Hours of Discharge (estimated)	_____	monitor only

PARAMETERS SPECIFIED ABOVE ("PASS OR "FAIL") _____

AUTHORIZATION

INITIAL SCREENING OR SUBSEQUENT MONITORING RESULTS

(Attach copy of laboratory results)

I certify that I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense. I certify that all discharge limitations of this authorization have been met, otherwise if a violation of any of the discharge limits occurs, within 2 hours of becoming aware of the circumstances, or the next business day if the discharger becomes aware of such circumstances outside of normal business hours and written notification must be sent to the DEP/BWM/CPU within twenty-four hours. I also certify that I have correctly completed the "PASS/FAIL" space provided, otherwise a penalty may be imposed.

Date

Name:

Title: _____

At the time of Final Discontinuance of the discharge for which this Authorization was issued, please indicate:

Date of termination of
discharge _____

Has an application for an individual permit or has a registration for a general permit been submitted for this discharge?

Date of
submission _____

YOU MUST SUBMIT THE ABOVE INFORMATION AT THE TIME OF FINAL DISCONTINUANCE OF THE DISCHARGE, OTHERWISE YOU WILL RECEIVE A NOTICE OF VIOLATION FOR MISSING DISCHARGE MONITORING (DMR's).

cc: Town Water Pollution Control Authority (sanitary sewer discharges only)
Town Engineer (surface water discharges)

Referenced Attachments to EA0100176

Attachment 1: correspondence D11848 from Northeast Utilities to James Grier dated December 22, 1997

Attachment 2: Letter D12418 from Northeast Utilities to James Grier dated April 27, 1998

Attachment 3: correspondence D13038 from Northeast Utilities to James Grier dated September 1, 1998