NORTHEAST UTILITIES
THE CONNECTICUT LIGHT AND POWER COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
HOLYOKE WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

General Offices • Selden Street, Berlin, Connecticut

P.O. BOX 270
HARTFORD, CONNECTICUT 06141-0270
(203) 665-5000

December 1, 1989

D03156

Mr. Adrian Freund, Chief
Bureau of Water Management
Department of Environmental Protection
122 Washington Street
Hartford, CT 06106

References:

1. NPDES Permit CT0003263 (C00800) (EPA ID No. CTD000845198), Millstone Nuclear Power Station, Northeast Nuclear Energy Company, issued June 5, 1985.
2. Letter (F0358A), R. A. Reckert to R. Barlow, dated November 15, 1984.
3. Letter (D01259), R. A. Reckert to R. Barlow, dated August 20, 1986.
4. Letter (D01134), R. A. Reckert to R. Barlow, dated September 2, 1987.
5. Letter (D02079), R. A. Reckert to R. Barlow, dated August 26, 1988.
6. Letter (D02542), R. A. Reckert to R. E. Kaliszewski, dated March 14, 1989.
7. Letter (D01575), R. A. Reckert to R. Barlow, dated June 30, 1987.
8. Letter (D03168), R. A. Reckert to R. E. Kaliszewski, dated November 17, 1989.
9. NPDES Permit CT0003263 (C01192) (EPA ID No. CTD000845198), Millstone Nuclear Power Station, Northeast Nuclear Energy Company, modified September 19, 1986.

Dear Mr. Freund:

8912180129 891201
PDR ADOCK 05000245
P PDC

Millstone Nuclear Power Station
NPDES Permit Renewal Application

Northeast Utilities Service Company (NUSCO), on behalf of Northeast Nuclear Energy Company (NNECO), pursuant to the Clean Water Act and Connecticut General Statutes (C.G.S.) Section 22a-430, hereby submits to the Connecticut Department of Environmental Protection (DEP) an application for the renewal of NPDES Permit No. CT0003263, Reference 1, for the Millstone Nuclear Power Station.

Cool Drainage
1/1 To: Reg Files

DELETION OF DISCHARGES

The following discharges are no longer in use and should be deleted from the permit:

- o 001A-5(a) Unit No. 1 Makeup Evaporator
- o 001B-4 Unit No. 2 Makeup Demineralizer Backwash Wastewater
- o 001C-7 Unit No. 3 Condensate Polisher Auxiliary Heat Exchanger

NEW DISCHARGES REQUESTED IN THIS APPLICATION

On March 14, 1989, Reference 6, NUSCO submitted an application to modify the permit by adding two new discharges. NUSCO hereby requests that those two discharges be added to Permit No. CT0003263:

- o DSN 001A-2(a) Long-Term Distillation Unit
- o DSN 001A-2(b) Distillation Unit

On June 30, 1987, Reference 7, NUSCO submitted an application to include six storm water discharges in Permit No. CT0003263. NUSCO hereby requests that those discharges be added to Permit No. CT0003263:

- o DSN 011, 012, 013, 014, 015, and 016--Storm Water Discharges

Unit No. 2 hotwell discharge is being identified as a new source. NUSCO requests that it be added to Permit CT0003263.

- o DSN 001B-8--Unit 2 Hotwell Discharge

MONITORING CHANGE REQUESTS

The following changes in monitoring requirements are hereby requested:

- o DSN 001, 001A, 001B, and 001C, Condenser Cooling Water

  NUSCO requests removal of monitoring and monthly reporting requirements for radioactive liquid releases from these discharges. Although the NPDES permit stipulates that radioactive measurements are to be reported in the cooling water, the values are so small that they are hardly detectable; hence, the sources to the cooling water are measured. Under 10CFR Part 20, monitoring requirements, each specific liquid radioactive release point into DSNs 001A, 001B, or 001C are regulated. Under these regulations, the Nuclear Regulatory Commission (NRC) requires biannual liquid radioactive release reporting. Monitoring and reporting liquid radioactive releases under the NPDES permit is redundant. These submittals to the NRC are already copied to the DEP and have proven more useful than the present reporting requirements because of the analysis of the data provided in the NRC report. NUSCO has been led to believe that the

DEP already uses the NRC report and has not found any need for the monthly DMR figures.

NUSCO requests removal of monitoring requirements for hydrazine, BOD and COD from these discharges. From each specific release point into DSNs 001B, or 001C (all of which discharge into DSN 001), hydrazine is monitored when discharging effluents which possibly contain hydrazine. Additional monitoring requirements for BOD and COD are superfluous and not reliable. A much more accurate value of hydrazine concentration can be calculated by dilution. The DEP has required measurements in DSN 001B-1(a), 001B-9, 001C-1(a), 001C-6(b), and 001C-9 for that very reason. Further detail is given in the final hydrazine minimization report, Reference 8.

- DSN 001A-4

NUSCO requests addition of boric acid sampling requirement with the note, "sampling required only when boric acid is being used." Also, add a note to the monitoring requirements that states, "Since it is not possible to sample the tank discharge, samples are to be taken from the tank recirculation line after two tank volumes have been recirculated (NRC requirement)." Mixing by recirculation assures that a representative sample of the discharge can be obtained and NRC-required analysis can be made prior to discharge, especially for radioactive components.

- DSN 001A-5

NUSCO requests the removal of the TSS and pH monitoring requirements. This is a noncontact cooling water and based on previous analyses of this discharge, there is no indication of a TSS or pH problem.

- DSN 001B

NUSCO requests the deletion of the hydrazine and boric acid limits. Hydrazine and boric acid are monitored at the specific discharges where they may be released.

- DSN 001B-1(a)

NUSCO requests the deletion of BOD and COD monitoring requirements. Monitoring requirements for BOD and COD are superfluous and oxygen demand imposed by hydrazine can be determined directly by measuring hydrazine concentration as it is being discharged. Hydrazine sampling is required when discharging steam generator secondary side wet lay-up drainage because it is the pollutant present in the system.

- DSN 001B-2

  NUSCO requests note 1 of the monitoring requirements to read as follows: "Record the total flow of the batch discharge (Code 626)." Millstone records each discharge event. Recording the number of hours of discharge is not relevant to this source.

- DSN 001B-3

  NUSCO requests changing note 1 of the monitoring requirement to read as follows: "Record the total flow of the batch discharge (Code 626)." Recording the number of hours of discharge is not relevant to this source.

- DSN 001B-5

  NUSCO requests the removal of the TSS and pH monitoring requirement. This is a noncontact cooling water discharge and based on previous analyses of this discharge, there is no indication of a TSS or pH problem because there is no source of these parameters.

- DSN 001B-7

  NUSCO requests the removal of the TSS and pH monitoring requirement. This is a noncontact cooling water discharge and because it is essentially identical to other noncontact cooling water discharges, there is no need to monitor TSS or pH since there is no source of these parameters.

- DSN 001B-9

  NUSCO requests the deletion of BOD and COD monitoring requirements. Monitoring requirements for BOD and COD are superfluous and oxygen demand imposed by hydrazine can be determined directly by measuring hydrazine concentration as it is being discharged. Hydrazine sampling is required when the discharging closed cooling water system drainage because it is the pollutant present in the system.

- DSN 001C

  NUSCO requests the deletion of the hydrazine and boric acid limits. Hydrazine and boric acid are monitored at the specific discharges where they may be released.

- DSN 001C-1(a)

  NUSCO requests the deletion of BOD and COD monitoring requirements. Monitoring requirements for BOD and COD are superfluous and oxygen demand imposed by hydrazine can be determined directly by measuring hydrazine

concentration as it is being discharged. Hydrazine sampling is required when discharging steam generator secondary side wet lay-up drainage because it is the pollutant present in the system.

o DSN 001C-5

NUSCO requests the removal of the TSS and pH monitoring requirement. This is a noncontact cooling water and, based on previous analyses of this discharge, there is no indication of a TSS or pH problem because there is no source of these parameters.

o DSN 001C-6(b)

NUSCO requests the deletion of BOD and COD monitoring requirements. Monitoring requirements for BOD and COD are superfluous and oxygen demand imposed by hydrazine can be determined directly by measuring hydrazine concentration as it is being discharged. Hydrazine sampling is required when the auxiliary boiler blowdown is discharging because it is the pollutant present in the system.

NUSCO requests the monitoring requirement, note 2, to read, "Sampling required only when auxiliary boiler blowdown is discharging." There is no reason to sample for BOD and COD when the auxiliary boiler blowdown is not discharging.

o DSN 001C-9

NUSCO requests the deletion of BOD and COD monitoring requirements. Monitoring requirements for BOD and COD are superfluous and oxygen demand imposed by hydrazine can be determined directly by measuring hydrazine concentration as it is being discharged. Hydrazine sampling is required when discharging closed cooling water system drainage because it is the pollutant present in the system.

DISCHARGE DESCRIPTION CHANGES

The following DSN description changes are requested in order to more accurately define the discharges:

o DSN 001A-3

Since the Makeup Demineralizer Backwash Wastewater has been eliminated, the description should read, "Outside Tank-Area Pipe Chase Rainwater Collection Discharge." This is a more accurate description of the discharge.

o DSN 001B-6

NUSCO requests that the following be added to the DSN description: "Including Plant Equipment Washwater That May Be Corrosive But is Not Hazardous by Any Other Characteristic and System Floor Drains." This is a more accurate description of the discharge.

The pH of the washwater is at least in part neutralized by demineralizer regenerants. This pH adjustment is an NPDES permitted treatment.

o DSN 001C-4

NUSCO requests that the following be added to the discharge description, "Including Feedwater System Wet Lay-Up Drainage and Auxiliary Boiler Stack Drain Discharge."

o DSN 001C-6

NUSCO requests a change in the DSN description. Delete "Including System Floor Drains and Unit No. 3 Hot Water Heating System Draining," and add "Including Plant Equipment Washwater, That May Be Corrosive But is not Hazardous by any Other Characteristic, Unit No. 3 Hot Water Heating System Drainage and System Floor Drains." This is a more accurate description of the discharge.

The pH of the washwater is at least in part neutralized by demineralizer regenerants. This pH adjustment is an NPDES permitted treatment.

o DSN 001C-6(b)

NUSCO requests the DSN description to read, "Unit No. 3 Auxiliary Boiler Blowdown Sump Discharge."

o DSNs 005, 006, 008, 009, 015, and 016

NUSCO requests that the following be added to the discharge descriptions, "Waterwashes, Clean Water drains."

DSN FLOW DESCRIPTION AND LIMIT CHANGE REQUESTS

The following changes in flow description and pollutant limits are hereby requested:

o DSN 001A-1

NUSCO requests removal of "Average Flow Per Batch" of 25,000 gallons and replace it with a limit of "Maximum Flow Per Batch" of 30,000 gallons. The 30,000 gallons value is the tank capacity and therefore is the maximum batch release that can be discharged.

o DSN 001A-2

NUSCO requests removal of "Average Flow Per Batch" of 10,000 gallons and replace it with a limit of "Maximum Flow Per Batch" of 14,000 gallons. The 14,000 gallons value is the capacity of the tank and therefore is the maximum batch release that can be discharged. Also, TSS "Average Quantity Per Batch" limit of 1.14 kg/day should be increased to 1.9 kg/day to reflect the larger maximum tank discharge volume and designated "Maximum Quantity Per Batch."

o DSN 001A-5

-- NUSCO requests removal of "Average Flow Per Batch" of 21,000 gallons and replace it with a limit of "Maximum Flow" of 30,000 gallons per minute (gpm). This discharge is a continuous discharge, not a batch discharge. The 30,000 gpm value is the maximum discharge flow.

-- NUSCO requests change in maximum temperature from 85°F to 90°F to reflect the maximum discharge temperature that is likely to be released.

o DSN 001B

NUSCO requests removal of "Average Daily Flow" of 731,000,000 gallons and replace it with a limit of "Maximum Daily Flow" of 820,000,000 gallons. The 820,000,000 gallons value is the maximum daily release that can be discharged when all circulating water pumps and all service water pumps are operating.

o DSN 001B-1(a)

-- NUSCO requests a change in the temperature limit from ambient to 150°F. A discharge temperature of 150°F may result from forced cooling of the steam generator by filling with distilled water and then draining.

-- NUSCO requests a reduction of hydrazine "Maximum Concentration" limit from 200 mg/l to 125 mg/l. Based on the Hydrazine Minimization Study, Reference 8, the system hydrazine level can be maintained at a lower concentration without significantly affecting corrosion protection.

o DSN 001B-5

-- NUSCO requests an increase of average flow limit from 10,000 gpm to 20,000 gpm. The 20,000 gpm value is the maximum discharge rate that can occur.

-- NUSCO requests an increase of the maximum temperature from 85°F to 95°F. The 95°F value is the maximum discharge temperature that can occur. Service water is used to cool several heat exchangers in the closed cooling water system and therefore must be above ambient temperature.

o DSN 001B-9

-- NUSCO requests deletion of "Average Flow Rate" of 10 gpm and requests an increase of "Maximum Daily Flow" from 25,000 gpd to 30,000 gpd. The 30,000 gpd value is the maximum system discharge flow capacity.

-- NUSCO requests change in temperature limit from ambient to 100°F. System discharge temperatures are likely to reach 100°F as explained for DSN 001B-5.

-- NUSCO requests that hydrazine "Maximum Concentration" limit remain at 75 mg/l and "Average Concentration" be reduced to 50 mg/l. Based on the Hydrazine Minimization Study, Reference 8, the system hydrazine level can be reduced prior to a planned discharge without significantly affecting corrosion inhibition; occasionally an unplanned discharge must occur before the concentration has dropped below 50 mg/l.

o DSN 001C-1(a)

NUSCO requests a reduction of hydrazine "Maximum Concentration" limit from 200 mg/l to 125 mg/l. Based on the Hydrazine Minimization Study, Reference 8, the system hydrazine level can be reduced without significantly affecting corrosion inhibition.

o DSN 001C-2

NUSCO requests "Average Flow Per Batch" of 21,000 gallons be removed and replace it with a limit of "Maximum Flow Per Batch of 25,000 gallons." The 25,000 gallons value is the maximum discharge that may occur.

o DSN 001C-3

NUSCO requests "Average Flow Per Batch" of 4,000 gallons be removed and replace it with a limit of "Maximum Flow Per Batch of 5,000 gallons." The 5,000 gallons value is the maximum discharge that may occur.

o DSN 001C-4

-- NUSCO requests the addition of a "maximum hydrazine concentration limit of 75 mg/l and a monitoring requirement stating that hydrazine

is to be sampled when draining the feedwater system wet lay-up or the auxiliary boiler system."

-- NUSCO requests "Average Flow Per Batch" of 80,000 gallons be removed and replaced with a limit of "Maximum Flow Per Batch of 80,000 gallons." The 80,000 gallons value is the maximum discharge that may occur.

o DSN 001C-5

NUSCO requests a change in Maximum temperature limit from 90°F to 100°F. Maximum operating discharge temperatures are likely to reach 100°F as explained for DSN 001B-5.

o DSN 001C-6

-- NUSCO requests a change in Maximum Temperature limit from ambient to 100°F. Maximum operating discharge temperatures may reach 100°F.

-- NUSCO requests "Average Flow Per Batch" of 25,000 gallons be removed and replaced with a limit of "Maximum Flow Per Batch of 25,000 gallons." The 25,000 gallons value is the maximum discharge that may occur.

o DSN 001C-6(b)

-- NUSCO requests a change of "Maximum Flow Rate" from 10 gpm to 50 gpm. This is the maximum sump discharge flow.

o DSN 001C-8

-- NUSCO requests addition of a hydrazine "Maximum Concentration" limit of 50 mg/l and a monitoring requirement stating that hydrazine is to be sampled when draining the condenser hotwell feedwater containing hydrazine. Hydrazine may be discharged when draining feedwater lay-up water.

o DSN 001C-9

-- NUSCO requests deletion of "Average Flow Rate" of 10 gpm which is in error. NUSCO also requests increase of "Maximum Daily Flow" from 25,000 gpd to 30,000 gpd. The 30,000 gpd value is the maximum daily system discharge.

-- NUSCO requests a change in temperature limit from ambient to 100°F. System discharge temperatures are likely to reach 100°F.

-- NUSCO requests a reduction of hydrazine "Average Concentration" limit from 75 mg/l to 50 mg/l and that the maximum limit remain at

75 mg/l. Based on the Hydrazine Minimization Study, Reference 8, the system hydrazine level can be reduced without significantly affecting corrosion protection.

A marked-up copy, Enclosure II, of Permit No. CT0003263, modified September 19, 1986, Reference 9, is included with this application to help explain the requested changes.

FEES

In accordance with C.G.S. Section 22a-430-6, Fees for Water Pollution Control Permits, a check in the amount of $4,030.00 is enclosed for the annual permit fees for 1990. Annual fees for Permit No. CT0003263 have been submitted for each year of the permit, References 2, 3, 4, and 5.

As discussed during the October 19, 1989, meeting with Mr. Robert Kaliszewski of the DEP, the application fee will be submitted to the DEP after his review of the application. Enclosure I provides NUSCO's calculated application fee which totals $8,010.00.

NUSCO believes that past fees, References 2, 3, 4, and 5, were of a magnitude that was clearly excessive for a single site in relation to the cost to the DEP of permitting NNECO's NPDES activities at Millstone Nuclear Power Station as described in Section 22a-430-6(i) of the DEP's regulations and C.G.S. Section 22a-430-6(10). NUSCO believes that the fees as calculated and presented in Enclosure I are consistent with C.G.S. Section 22a-430-6(10) which allows the DEP to assess fees to "cover the reasonable cost of reviewing and acting upon an application for monitoring compliance with" a permit.

The assessment for noncontact cooling water is clearly redundant because the noncontact service water source Discharge Serial Nos. 001A-5, 001B-5, 001B-7 and 001C-5 combine with the noncontact condenser cooling waters of Discharge Serial Nos. 001A, 001B, and 001C, respectively. These in turn combine to form the quarry cut Discharge Serial No. 001. All of these discharges are redundantly monitored, and now have been redundantly taxed.

Therefore, NUSCO, on behalf of NNECO, hereby requests, pursuant to Section 22a-430-06(i)(2) of DEP's regulations, that permit application fees be waived for Discharge Serial Nos. 001A, 001B, 001C, 001A-5, 001B-5, 001B-7, 001C-5, 001C-6, 006, 007, 008, 009, 012, 013, 014, 015, and 016 so that the overall fee for this permit, as set forth in Enclosure I, will not be clearly excessive.

At the time we are submitting this application, there are some sources that had no flow or insufficient flow to sample in accordance with EPA established guidelines in time to obtain test results for inclusion in these documents. Test results will be submitted when they have been obtained. Sampling will occur as soon as representative discharge commences.

Should you have any questions, please feel free to call Mr. Thomas P. Arcari, NUSCO Generation Facilities Licensing, at (203) 665-3713.

Very truly yours

NORTHEAST UTILITIES SERVICE COMPANY
As Agent for Northeast Nuclear
Energy Company

FOR: R. A. Reckert
Vice President

BY: E. J. Mroczka
E. J. Mroczka
Senior Vice President

Table of Fees
Millstone Nuclear Power Station
NPDES Permit No. CT0003263

Discharge Serial No.	Discharge Description	Flow MGD	Proposed Application Fee	Annual Fee
001	Quarry Cut	696	$ 4,050.00	$ 500.00
001A	Unit 1 Cooling Water	604.8	*	500.00
001B	Unit 2 Cooling Water	778	*	500.00
001C	Unit 3 Cooling Water	1313	*	500.00
001A-1	Waste Sample Tank	.025	350.00	100.00
001A-2	Floor Drain	.01	50.00	Exempt
001A-3	Pipe Chase Storm Runoff	.004	200.00	100.00
001A-4	Decommissioning Solution Tank	.003	200.00	100.00
001A-5	Noncontact Cooling	30	*	500.00
001B-1	Blowdown Tank	.060	350.00	100.00
001B-1a	Steam Generator Wet Lay-Up	.144	Exempt	Exempt
001B-2	Aerated Waste Monitor Tank	.009	50.00	Exempt
001B-2a	Steam Generator Chemical Cleaning	Int	Exempt	Exempt
001B-2b	Steam Generator Chemical Decontamination	Int	Exempt	Exempt
001B-3	Coolant Waste Tank	.030	350.00	100.00
001B-5	Auxiliary Heat Exchanger	14.0	*	500.00
001B-6	Condensate Polishing Tank	.050	200.00	100.00
001B-7	Condensate Polishing Auxiliary Heat Exchanger	6.0	*	100.00
001B-8	Hotwell Discharge		Exempt	Exempt
001B-9	Noncontaminated Closed Cooling Water	.025	300.00	50.00
001C-1	Steam Generator Blowdown	.288	350.00	100.00
001C-1a	Steam Generator Wet Lay-Up	.144	Exempt	Exempt
001C-2	Waste Test Tank	.042	50.00	Exempt
001C-3	Low-Level Waste Tank	.016	350.00	100.00
001C-4	Water Production	.080	200.00	100.00
001C-5	Noncontact Cooling	43	*	500.00
001C-6	Condensate Polishing Regeneration Waste	.45	*	*
001C-6a	Chemical Decontamination Wastewater	.4	Exempt	Exempt
001C-6b	Unit 3 Auxiliary Boiler Blowdown	.01	350.00	100.00
001C-8	Hotwell Discharge	.1	Exempt	Exempt
001C-9	Noncontaminated Closed Cooling Water	.025	300.00	50.00
002	Unit 1 Screen Wash	2.0	Exempt	Exempt

Discharge Serial No.	Discharge Description	Flow MGD	Proposed Application Fee	Annual Fee
003	Unit 2 Screen Wash	2.5	Exempt	Exempt
004	Unit 3 Screen Wash	5.7	Exempt	Exempt
005	Unit 1 Yard and Floor Drain	Var	600.00	750.00
006	Unit 2 Yard and Floor Drain	Var	*	Exempt
007	Unit 3 Yard and Floor Drain	Var	*	Exempt
008	Unit 1 Yard and Floor Drain	Var	*	Exempt
009	Unit 2 Yard and Floor Drain	Var	*	Exempt
011	Surface Drain	Int	600.00	750.00
012	Surface Drain	Int	*	Exempt
013	Surface Drain	Int	*	Exempt
014	Surface Drain	Int	*	Exempt
015	Surface Drain	Int	*	Exempt
016	Surface Drain	Int	*	Exempt
	Subtotal		$8,900.00	$6,200.00
	Less Discount		(890.00)**	(2,170.50)***
	Total Fee for CT0003263		$8,010.00	$4,030.00

*Request for waiver of fee pursuant to C.G.S. Section 22a-430-6(i)(2)
**10 percent discount
***35 percent discount

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 1 - FACILITY INFORMATION

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

RETURN 1 ORIGINAL AND 2 COPIES OF APPLICATION ONLY

NOTE: ONLY ONE COPY OF PLANS AND SPECIFICATIONS, AND ENGINEERING REPORT ARE REQUIRED UNLESS OTHERWISE INSTRUCTED.

For reissuance or modification of permits for existing facilities please provide the following information:

DEP/WPC No. 152 - 003

NPDES No. CT 0003263

Applicant Name	Northeast Utilities Service Company as agent for Northeast Nuclear Energy Company (NNECO)

hereby applies for a **PERMIT** under Section 22a-430 of the Connecticut General Statutes to discharge wastewaters as described herein to **(CHOOSE ONE ONLY)**:

A) the groundwaters in the watershed of the _____ in the Town/City of _____ (surface water name); or

B) to the sanitary sewer in the Town/City of _____; or

C) to the Niantic Bay and Long Island Sound (surface water name) in the Town/City of Waterford, CT.

The undersigned, in completing this application, makes the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations".

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 1 - FACILITY INFORMATION

Please fill in:

Authorized Signature	E J Mroczka
Print or Type Name	For R. A. Reckert by E. J. Mroczka
Title	Vice President Sr. Vice President
Representing	NUSCO as agent for NNECO
Date of Application	December 1, 1989

Name and Address of Consulting Engineer, if Appropriate

Please fill in:

Name	N/A
Street	
Town/City	
State, CT	

Note:

(1) Prior to issuance of a tentative determination and permit in this matter, submission of permit fees as described in Sections 22a-430-6 and 22a-430-7 of the Regulations of Connecticut State Agencies is required.

(2) If an applicant or permittee becomes aware of a change in any information submitted as part of an application for a permit, or that any such information was erroneous, or that any relevant facts were omitted from the application, he or she shall submit the correct information to the commissioner in writing within thirty days.

(3) Upon review of this application, the Commissioner may require the applicant to submit additional information in accordance with Sections 22a-430-4 (c)(24) and 22a-430-4(e)(2), including those requirements listed only for certain types of discharge on these forms.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 1 - FACILITY INFORMATION

2. Names, Addresses, Telephone Numbers [Section 22a-430-4(c)(1)]

NAME*	MAILING ADDRESS	LOCATION ADDRESS
APPLICANT Northeast Utilities Service Company as agent for NNECO Telephone Number (203) 665-5000	P. O. Box 270 Hartford, CT 06141-0270 Attention: R. A. Reckert Vice President	107 Selden Street Berlin, CT 06037
Millstone Nuclear Power Station **FACILITY** (*if different from above*) Telephone Number (203) 447-1791	P. O. Box 270 Hartford, CT 06141-0270 Attention: R. A. Reckert Vice President	Rope Ferry Road Waterford, CT 06385
The Connecticut Light and Power Company et. al. **FACILITY OWNER** (*if different from above*) Telephone Number (203) 665-5000	Same as above	107 Selden Street Berlin, CT 06037
Northeast Nuclear Energy Company **FACILITY OPERATOR** Telephone Number (203) 665-5000	Same as above	107 Selden Street Berlin, CT 06037

*If a corporation, the full exact name as registered with the Connecticut Secretary of State.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 1 - FACILITY INFORMATION

Operator's status:

( )Federal ( )State (X)Private ( )Public ( )Other-please explain below

Explanation:

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 1

3. Nature of Business or Activity (22a-430-4(c)(3)

Provide a brief, general description of the nature of the business or activity and of each existing or proposed activity or process generating a discharge (attach additional pages if necessary).

These power plants generate electricity from steam produced as a result of the fissioning of nuclear fuel.

4. Coastal Area Management and Indian Lands (22a-430-4(c)(13)

Is the facility located:

Within the coastal boundary as defined by Section 22a-94 of the General Statutes (as delineated on maps contained in the appropriate Town Clerk's Office).

__X__ Yes _____ No

On Indian Lands? (Only in the towns of Colchester, Kent, Ledyard, North Stonington and Trumbull, as shown on maps in the Town Clerk's office)

_____ Yes __X__ No

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 1

5. **Raw Materials, Products Produced, Services Provided (22a-430-4(c)(4)(A))**

Required only for NPDES discharges and process wastewater discharges. Upon review of this application, the Commissioner may require this information for other discharges.

Principal raw materials utilized, products produced or services provided must be listed:

a. **Principal raw materials:**

N. A.

b. **Products produced:**

Electrical Power

c. **Services provided:**

N. A.

d. **SIC Codes (22a-430-4(c)(4)(B))**

4911			

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 1

e. Toxic or Hazardous Substances (22a-430-4(c)(4)(C))

All toxic substances and hazardous substances anticipated to be used or present in a raw material or intermediate or final product or by product must be listed below. Substances which are toxic or hazardous are found in Appendix B and Appendix D of Section 22a-430-4 of the Regulations of Connecticut State Agencies, 40 CFR Part 261 Appendix VIII and 40 CFR Part 116.4 (The two CFR lists are attached for your convenience) (Attach additional pages if necessary).

See Best Management Practices (BMP) for Millstone Nuclear Power Station submitted to the DEP on July 30, 1986 (D01240).

6. Site Plan and Topographic Map (22a-430-4(c)(5))

A site plan and topographic map (with scale shown including a north meridian arrow) must be included as Attachment #1 to this application.

The site plan must clearly show:

	Please check to verify presence on site plan; if not required, write "N/A."
All buildings	X
Actual and potential sources of discharge	X
All intake and discharge locations including all wells where fluids from the facility are or will be injected underground.	X
For NPDES discharges and process wastewater discharges only, all fixed treatment, storage or disposal facilities for toxic or hazardous substances above or below ground. (See Appendix B and D of Section 22a-430-4 of the Permit Regulations and 40CFR Part 261 Appendix VIII and 40 CFR Part 116.4) (Upon review of this application, the Commissioner may require that treatment, storage or disposal facilities for additional substances be included on the site plan).	X
Latitude and longitude of each discharge to the nearest 15 seconds (Only for NPDES permits for discharges from manufacturing, commerical, mining and silvicultural operations.	X
The names of all roads and surface waters.	X

The topographic map must:

	Please check to verify presence on topographic map
Extend at least one mile beyond the property boundaries of the facility.	X
Clearly show the location of the facility in relation to all roads, surface waters,springs and wells.	X
Include the names of all roads and surface waters.	X

7. On-Site Storage Inventory (22a-430-4(c)(9))

For applications for process wastewater discharges, list the names and maximum quantities of all toxic or hazardous substances stored in containers of five (5) gallons or greater on-site as designated on the site plan required by No. 6 of this Form. For containers less than five gallons, estimate the maximum total gallons stored for each of the following categories: acids, bases, cyanides, organic chemicals and heavy metals. (attach additional sheets if necessary). The Commissioner may require such information for other substances and discharges after reviewing this application.

Substance or Category	Maximum Quantity (Including appropriate units)
See BMP for Millstone Nuclear Power Station	
submitted to the DEP on July 30, 1986 (D01240)	

8. Spill Control Plan (22a-430-4(c)(10))

For applications for process wastewater discharges, a plan must be included as Attachment #2 to this application which describes all provisions to prevent and control spills, leaks, or other unplanned releases of all substances included in the inventory submitted under No. 7 above. The Commissioner may also require such a plan for other categories of discharge upon review of the application.

9. Wastewaters Not Included in this Application (22a-430-4(c)(12))

The type, quantity and method of disposal of all process wastewaters which are not included in the discharges which are the subject of the application must be listed below, including but not limited to screenings, sludges, oils, solvents and other chemicals.

Type	Quantity (quantity per time period)	Method of Disposal (Incineration, waste hauler, recycled, etc.)
N.A.		

10. **Line Drawing (22a-430-4(c)(15))** - for discharges from manufacturing, commercial, mining or silvicultural facilities only:

Include as Attachment #3 to this application a line drawing of the water flow through the facility with a water balance showing all separate production operations contributing wastewater to the effluent and treatment units. The water balance must show approximate average and maximum flows at intake and discharge points and between units, including treatment units. A sample line drawing has been included with this application form for your reference.

11. **Treatment Facilities (22a-430-4(c)(16))**

Include as Attachment #4 to this application a complete description of all collection and treatment facilities proposed or provided, including drawings to scale or, if plans and specifications have already been approved by the Commissioner, a copy of the approval.

12. **Operation and Maintenance (22a-430-4(c)(17))**

Include as Attachment #5 to this application a general description of the existing or proposed methods for operation and maintenance of the collection and treatment facilities. The Commissioner may require submission of an operation and maintenance manual if deemed appropriate. Documentation of any operator certification required by Sections 22a-416-1 through 22a-416-10 of the Regulations of Connecticut State Agencies must also be included.

13. Other Approvals and Permits (NPDES PERMITS ONLY) (22a-430-4(c)(18))

Provide a list of all permits or construction approvals received or applied for under each of the following programs (check boxes as appropriate and include reference or identification numbers where available):

	Permits	Construction Approvals
Hazardous Waste Management Program	CTD000845198	
Underground Injection Control Program		
National Pollutant Discharge Elimination System Program	CT0003263	
Prevention of Significant Deterioration (PSD) Program under the Clean Air Act.		
Nonattainment Program under the Clean Air Act		
National Emissions Standards for Hazardous Pollutants (NESHAPS) preconstruction approval under the Clean Air Act Ocean Dumping permits under the Marine Protection Research and Sanctuaries Act		
Dredge or fill permits under section 404 of the Clean Water Act		
State discharge permits issued under section 22a-430 of the Connecticut General Statutes		
Other relevant environmental permits, including state permits (explain on next page)	*	

* - NRC Operating Licenses: 50-245
50-336
50-423

Explanation:

14. Outstanding Requirements or Compliance Schedules (NPDES Only) (22a-430-4(c)(19))

If the applicant is subject to any requirements or compliance schedules from a Federal, State or local authority for construction, upgrading or operation of wastewater treatment facilities which may affect the discharges described in the application, provide the following:

1.Identification of Requirement	2.Brief Description of Project	3.Final Compliance Date A.Required B. Projected
N.A.		

Additional Forms or Information

Other forms and/or information may be required, depending on the type and/or location of your discharge. Please refer to Section 22a-430-4(c) of the Permit Regulations for all required information for your facility especially the following types of discharges: domestic sewage through land treatment systems (including septic systems), agricultural activities, leachate from a solid waste disposal facility, concentrated animal feeding operations, and concentrated aquatic animal production facilities. Also, in accordance with 22a-430-4(c)(24) and 22a-430-4(e)(2), the Commissioner may require the submission of other information in addition to that specifically required in the regulations.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 2,696 Ex6 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 2,696 Ex6 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 2,696 Ex6 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Continuous discharge

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Discharge to surface water from DSN's 001A, 001B, and 001C.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. DISCHARGE SUBSTANTIALLY IDENTICAL TO DSN 001A. ONLY MAXIMUM TEMPERATURE AND CHLORINE, TOTAL RESIDUAL ARE BEING REPORTED.			
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Chlorine, Total Residual	0.04 mg/l	0.12 mg/l	NA	12
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)	W - 73.9 F S - 82.7 F	W - 87.0 F S - 94.5 F	NA	12
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes X No _____

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS
	X	On January 27, 1989, summary of testing was submitted by way
		of a letter (D02491) from R. A. Reckert to R. Barlow.
		On July 13, 1989, additional summary of testing was submitted
		by was of a letter (D02871) from R. A. Reckert to R. Barlow.

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001A (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 604.8 Ex6 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 604.8 Ex6 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 604.8 Ex6 gallons per (day)~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Continuous discharge

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 1 non-contact cooling water discharge.

Contributing process: Screening and Chlorination

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001A (Unit 1 Discharge)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	3.6	1
Chemical Oxygen Demand	NA	NA	ND	1
Total Organic Carbon	NA	NA	ND	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	NA	NA	5.3	1
Ammonia (as Nitrogen)	NA	NA	0.1	1
Phosphorus (Total)	NA	NA	0.04	1
Maximum Temperature (Winter and Summer)	W -79.8 F S -88.4 F	W -90.1 F S-102.2 F	NA	12
pH (minimum and maximum)	7.7 SU	NA	6.9 -8.0 SU	20

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level
ASW - Approved Sampling Waiver

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X		X	NA	NA	ND	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X		NA	NA	0.09	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X		X	ND	ND	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X		X	NA	NA	ND	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numbe of Analys
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numbe of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul
required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know o have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicabl effluent limitation adopted in Section 22a-430-4(1) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/1) Average Monthly Concentration*	4 (mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
1 Bromide	X		NA	NA	60.0	1
2 Chlorine, Total Resideal	X		.025	.025	NA	8
3 Color	X		NA	NA	10	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite	X		NA	NA	0.08	1
7 Nitrogen, Total Organic		X	NA	NA	ND	1
8 Radioactivity						
1 Alpha, Total (pCi/1)		X	NA	NA	30+/-30	1
2 Beta, Total (pCi/1)		X	NA	NA	222+/-30	1
3 Radium, Total (pCi/1)		X	NA	NA	0.0+/-.2	1
4 Radium 226, Total (pCi/1)		X	NA	NA	.1+/-.5	1
9 Sulfate	X		NA	NA	4100	1
10 Sulfide	X		NA	NA	0.6	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total	X		NA	NA	0.5	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	3.3	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	0.07	1
18 Magnesium, Total	X		NA	NA	980.0	1
19 Molybdenum, Total	X		NA	NA	1.6	1
20 Manganese, Total	X		NA	NA	0.01	1
21 Tin, Total	X		NA	NA	0.2	1
22 Titanium, Total	X		NA	NA	0.04	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	NA	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(cX20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(C)(20) (preamble). Where grab samples are required, provide the average and maximum resu as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

	Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1	Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2		Braintree, MA		the following:
3				Total Residual Chlorine
4				
5				
6				
7				
8				
9				
10				

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001A-1 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 30,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 30,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 90,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 4 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 12 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Batch discharge. Average once per day.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(3) and (6))

SIC - 4911

Unit No. 1 waste sampling tank discharge.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001A-1 (Waste Sampling Tank)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	2.7	1
Chemical Oxygen Demand	NA	NA	ND	1
Total Organic Carbon	NA	NA	ND	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	NA	NA	ND	1
Ammonia (as Nitrogen)	NA	NA	ND	1
Phosphorus (Total)	NA	NA	0.01	1
Maximum Temperature (Winter and Summer)	75.2 F	75.2 F	NA	8
pH (minimum and maximum)	7.7 SU	NA	6.1 - 8.4 SU	15

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X		X	NA	NA	ND	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyse
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X		NA	NA	0.02	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X		X	ND	ND	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X		X	NA	NA	ND	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Number of Analyses
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA		1
2 2,4-Dichloro phenol	X		X	NA	NA		1
3 2,4-Dimethyl phenol	X		X	NA	NA		1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA		1
5 2,4-Dinitro -phenol	X		X	NA	NA		1
6 2-Nitrophenol	X		X	NA	NA		1
7 4-Nitrophenol	X		X	NA	NA		1
8 P-Chloro-M -Cresol	X		X	NA	NA		1
9 Pentachloro -phenol	X		X	NA	NA		1
10 Phenol	X		X	NA	NA		1
11 2,4,6-Trichloro phenol	X		X	NA	NA		1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum r
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(l) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color		X	NA	NA	ND	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite	X		NA	NA	0.02	1
7 Nitrogen, Total Organic		X	NA	NA	ND	1
8 Radioactivity						
1 Alpha, Total (pCi/l)	X		NA	NA	.04+/-.09	1
2 Beta, Total (pCi/l)	X		NA	NA	8.1+/-.7	1
3 Radium, Total (pCi/l)		X	NA	NA	.04+/-.08	1
4 Radium 226, Total (pCi/l)		X	NA	NA	-.05+/-.13	1
9 Sulfate		X	NA	NA	ND	1
10 Sulfide		X	NA	NA		1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total		X	NA	NA	ND	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	0.02	1
18 Magnesium, Total	X		NA	NA	0.02	1
19 Molybdenum, Total		X	NA	NA	ND	1
20 Manganese, Total		X	NA	NA	ND	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	N A	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlorophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetrachlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu
required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(C)(20) (preamble). Where grab samples are required, provide the average and maxmum resu as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001A-2 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 14,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 14,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 28,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 2 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 4 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Batch discharge. Average once per day.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 1 floor drain sample tank discharge.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001A-2 (Floor Drain Sample Tank)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	4.0	1
Chemical Oxygen Demand	NA	NA	22.0	1
Total Organic Carbon	NA	NA	2.3	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	9.5	32.0	NA	13
Ammonia (as Nitrogen)	NA	NA	0.38	1
Phosphorus (Total)	NA	NA	0.02	1
Maximum Temperature (Winter and Summer)	73.4 F	73.4 F	NA	8
pH (minimum and maximum)	7.0 SU	NA	6.1 -8.2 SU	20

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X	X		NA	NA	0.2	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X		X	NA	NA	ND	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X	X		NA	NA	0.0002	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X		NA	NA	0.01	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X	X		0.10	0.11	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X		X	NA	NA	ND	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numbe of Analys
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul
required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(1) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/1) Average Monthly Concentration*	4 (mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
1 Bromide	X		NA	NA	3.0	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color	X		NA	NA	50	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite		X	NA	NA	0.02	1
7 Nitrogen, Total Organic		X	NA	NA	0.08	1
8 Radioactivity						
1 Alpha, Total (pCi/1)	X		NA	NA	40+/-20	1
2 Beta, Total (pCi/1)	X		NA	NA	-22+/-2	1
3 Radium, Total (pCi/1)		X	NA	NA	.04+/-.09	1
4 Radium 226, Total (pCi/1)		X	NA	NA	-.1+/-.2	1
9 Sulfate	X		NA	NA	160	1
10 Sulfide		X	NA	NA	0.2	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	0.73	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	1.8	1
18 Magnesium, Total	X		NA	NA	46.0	1
19 Molybdenum, Total	X		NA	NA	0.22	1
20 Manganese, Total		X	NA	NA	0.07	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlorophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	NA	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(cX20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phiosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDD may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(CX20) (preamble). Where grab samples are required, provide the average and maxmum resu as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

	Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1	Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2		Braintree, MA		the following:
3				Total Residual Chlorine
4				
5				
6				
7				
8				
9				
10				

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001A-2(a) (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 220 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 220 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 10 gallons per ~~(day)~~ (minute)
5. Date Discharge Began or Will Begin June, 1989 (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 0.5 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 1.0 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Batch discharge. Average five times per year.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Wastewater containing freon and other solvents is produced during cleaning of protective clothing during maintenance outages. A distillation unit will be used to reclaim and recycle the freon. The aqueous residue will be tested and discharged to the Unit 1 floor drain collector tank.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(l) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) _____ No (Go to 11) X

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

All freon recovered from the distillation unit will be reusable in the cleaning process.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	ortheast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001A-2(b) (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 6,500 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 7,000 gallons ~~per (day) (event)~~ (22a-430-4(c)(6))
4. Design Flow 150 gallons per ~~(day)~~ (minute)
5. Date Discharge Began or Will Begin June, 1989 (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 1 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 1 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

One time batch discharge. 6,500 gallons of water will be treated in the NPDES distillation unit and accumulated in the Unit 1 floor drain collector tank for testing prior to a one-time batch discharge which will take less than one hour. No other floor-drain waste will be added to this liquid.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Wastewater containing freon and other solvents was produced during cleaning of protective clothing during a maintenance outage. A distillation unit will be used to reclaim and recycle the freon. The aqueous residue will be tested and discharged to the Unit 1 floor drain collector tank. On March 14, 1989, Reference 6, an Engineering Report was submitted that described in detail the origin of this freon contaminated wastewater.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) _____ No (Go to 11) X

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) _____

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

This will be a one-time discharge. All freon recovered from the distillation unit will be reused.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001A-3 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 4,200 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 4,200 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 4,200 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 0.5 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 0.5 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Batch discharge. Average once per day.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Outside Tank-Area pipe chase rainwater collection discharge.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation. Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001A-3

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	INTERMITTENT DISCHARGE SAMPLING. DISCHARGE WILL RECOMMENCES.		THERE WAS NO FLOW FOR BE SAMPLED IF FLOW	
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001A-4 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 3,500 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 3,500 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 7,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs .5 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 1.0 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Batch discharge. Average once per day.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 1 decontamination solution tank discharge

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001A-4 (Decontamination Solution Tank)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3)(mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	5.0	1
Chemical Oxygen Demand	NA	NA	ND	1
Total Organic Carbon	NA	NA	3.4	1
Oil and Grease	5.5	14	NA	4
Total Suspended Solids	NA	NA	6.3	1
Ammonia (as Nitrogen)	NA	NA	4.1	1
Phosphorus (Total)	NA	NA	0.02	1
Maximum Temperature (Winter and Summer)	75.2 F	75.2 F	NA	8
pH (minimum and maximum)	7.0 SU	NA	7.0 - 7.0 SU	8

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X	X		NA	NA	0.2	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X	X		NA	NA	0.001	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X	X		NA	NA	0.02	1
8.Lead, Total	X	X		NA	NA	0.1	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X		NA	NA	0.03	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X	X		0.01	0.03	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/1) Average Monthly Concentration*	5(ug/1) Maximum Daily Concentration*	6(ug/1) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X		X	NA	NA	ND	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Number of Analyses
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X	X		NA	NA	6.0	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
[illegible] uexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a 430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitr dimeth			X	NA	NA	NA	
42 N-			X	NA	NA	NA	
or d nin				NA	NA	NA	
rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum result required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(l) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide	X		NA	NA	35.0	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color	X		NA	NA	60	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite	X		NA	NA	0.09	1
7 Nitrogen, Total Organic		X	NA	NA	ND	1
8 Radioactivity						
1 Alpha, Total (pCi/l)	X		NA	NA	20+/-60	1
2 Beta, Total (pCi/l)	X		NA	NA	1000+/-130	1
3 Radium, Total (pCi/l)		X	NA	NA	.12+/-.1	1
4 Radium 226, Total (pCi/l)		X	NA	NA	.1+/-.2	1
9 Sulfate	X		NA	NA	1500	1
10 Sulfide	X		NA	NA	0.8	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants	X		NA	NA	0.053	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	1.7	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	1.5	1
18 Magnesium, Total	X		NA	NA	630	1
19 Molybdenum, Total	X		NA	NA	1.1	1
20 Manganese, Total	X		NA	NA	0.07	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total	X		NA	NA	0.06	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	NA	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC ANL HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Ph[illegible]		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDD may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(CX20) (preamble). Where grab samples are required, provide the average and maximum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

	Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1	Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2		Braintree, MA		the following:
3				Total Residual Chlorine
4				
5				
6				
7				
8				
9				
10				

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001A-5 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 43.2 Ex6 gallons per (day) (~~event~~) (22a-430-4(c)(6))
3. Maximum Daily Flow 43.2 Ex6 gallons per (day) (~~event~~) (22a-430-4(c)(6))
4. Design Flow 30,000 gallons per (~~day~~) (minute)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Continuous discharge.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 1 non-contact auxiliary heat exchange (service water) discharge.

Contributing process: Chlorination

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001A-5 (Auxiliary Heat Exchanger)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	4.2	1
Chemical Oxygen Demand	NA	NA	NA	1
Total Organic Carbon	NA	NA	1.1	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	21.3	30.2	NA	13
Ammonia (as Nitrogen)	NA	NA	0.08	1
Phosphorus (Total)	NA	NA	0.04	1
Maximum Temperature (Winter and Summer)	66.2 F	66.2 F	NA	8
pH (minimum and maximum)	7.9 SU	NA	7.8 -8.1 SU	20

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level
ASW - Approved Sampling Waiver

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X		X	NA	NA	ND	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X		NA	NA	0.11	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X		X	ND	ND	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ASW	1
2 Acrylonitrile	X		X	NA	NA	ASW	1
3 Benzene	X		X	NA	NA	ASW	1
4 Bromoform	X		X	NA	NA	ASW	1
5 Carbon Tetra chloride	X		X	NA	NA	ASW	1
6 Chlorobenzene	X		X	NA	NA	ASW	1
7 Chlorodi bromomethane	X		X	NA	NA	ASW	1
8 Chloroethane	X		X	NA	NA	ASW	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ASW	1
10 Chloroform	X		X	NA	NA	ASW	1
11 Dichlorobro momethane	X		X	NA	NA	ASW	1
12 1,1-Dichloro ethane	X		X	NA	NA	ASW	1
13 1,2-Dichloro ethane	X		X	NA	NA	ASW	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ASW	1
15 1,2-Dichloro propane	X		X	NA	NA	ASW	1
16 1,2-Dichloro propylene	X		X	NA	NA	ASW	1
17 Ethylbenzene	X		X	NA	NA	ASW	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5 (ug/l) Maximum Daily Concentration*	6 (ug/l) Daily Composite Results*	Number of Analyses
18 Methyl Bromide	X		X	NA	NA	ASW	1
19 Methyl Chloride	X		X	NA	NA	ASW	1
20 Methylene Chloride	X		X	NA	NA	ASW	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ASW	1
22 Tetrachlpro ethylene	X		X	NA	NA	ASW	1
23 Toluene	X		X	NA	NA	ASW	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ASW	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ASW	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ASW	1
27 Trichlor oethylene	X		X	NA	NA	ASW	1
28 Vinyl Chloride	X		X	NA	NA	ASW	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ASW	1
2 2,4-Dichloro phenol	X		X	NA	NA	ASW	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ASW	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ASW	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ASW	1
6 2-Nitrophenol	X		X	NA	NA	ASW	1
7 4-Nitrophenol	X		X	NA	NA	ASW	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ASW	1
9 Pentachloro -phenol	X		X	NA	NA	ASW	1
10 Phenol	X		X	NA	NA	ASW	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ASW	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul
required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(1) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide	X		NA	NA	57	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color	X		NA	NA	10	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite	X		NA	NA	0.06	1
7 Nitrogen, Total Organic		X	NA	NA	ND	1
8 Radioactivity						
1 Alpha, Total (pCi/l)		X	NA	NA	NA	
2 Beta, Total (pCi/l)		X	NA	NA	NA	
3 Radium, Total (pCi/l)		X	NA	NA	NA	
4 Radium 226, Total (pCi/l)		X	NA	NA	NA	
9 Sulfate	X		NA	NA	3300	1
10 Sulfide	X		NA	NA	1.6	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/l) Average Monthly Concentration*	4(mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
13 Aluminum, Total	X		NA	NA	0.3	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	3.4	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	0.08	1
18 Magnesium, Total	X		NA	NA	1100	1
19 Molybdenum, Total	X		NA	NA	1.4	1
20 Manganese, Total	X		NA	NA	0.01	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total	X		NA	NA	0.07	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlorophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	N A	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numb of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophenyl phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDD may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(C)(20) (preamble). Where grab samples are required, provide the average and maximum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001A-5(a) Delete Discharge (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow _____ gallons per(day) (event) (22a-430-4(c)(6))
3. Maximum Daily Flow _____ gallons per(day) (event) (22a-430-4(c)(6))
4. Design Flow _____ gallons per (day)(minute)
5. Date Discharge Began or Will Begin _____ (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs _____ (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs _____ (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001A-5(a) Delete discharge.

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)				
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001B (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 820 Ex6 gallons per (day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 820 Ex6 gallons per (day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 820 Ex6 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Continuous discharge.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 non-contact cooling discharge. Contributing process: screening and chlorination.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(l) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001B

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. DISCHARGE SUBSTANTIALLY IDENTICAL TO DSN 001A. ONLY MAXIMUM TEMPERATURE			
Chemical Oxygen Demand	AND CHLORINE, FREE AVAILABLE ARE BEING REPORTED.			
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Chlorine, Free Available	0.08 mg/l	0.20 mg/l	NA	12
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)	W - 76.4 F S - 85.1 F	W - 93.9 F S - 97.5 F	NA	12
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001B-1 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 412,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 412,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 412,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Continuous discharge.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 blowdown tank and blowdown quench tank discharge (including boric acid from steam generator treatment).

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001B-1 (Blowdown Tank)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3)(mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	2.1	1
Chemical Oxygen Demand	NA	NA	ND	1
Total Organic Carbon	NA	NA	1.3	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	2.24	5.00	NA	10
Ammonia (as Nitrogen)	NA	NA	0.1	1
Phosphorus (Total)	NA	NA	ND	1
Maximum Temperature (Winter and Summer)	77.0 F	77.0 F	NA	8
pH (minimum and maximum)	8.2 SU	NA	8.2 - 8.2 SU	8

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X		X	NA	NA	ND	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X		NA	NA	0.01	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X		X	ND	ND	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X		X	NA	NA	ND	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5 (ug/l) Maximum Daily Concentration*	6 (ug/l) Daily Composite Results*	Number of Analyses
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or for an applicable effluent limitation adopted in Section 22a-430-4(1) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color		X	NA	NA	ND	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite	X		NA	NA	0.01	1
7 Nitrogen, Total Organic		X	NA	NA	ND	1
8 Radioactivity						
1 Alpha, Total (pCi/l)	X		NA	NA	-.02+/-.07	1
2 Beta, Total (pCi/l)	X		NA	NA	1.4+/-.3	1
3 Radium, Total (pCi/l)		X	NA	NA	-.02+/-.08	1
4 Radium 226, Total (pCi/l)		X	NA	NA	.16+/-.12	1
9 Sulfate		X	NA	NA	ND	1
10 Sulfide	X		NA	NA	0.5	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/l) Average Monthly Concentration*	4(mg/l) Maximum Daily Concentration*	5 (ug/l) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	4.1	1
16 Cobalt, Total	X		NA	NA	0.07	1
17 Iron, Total		X	NA	NA	ND	1
18 Magnesium, Total		X	NA	NA	ND	1
19 Molybdenum, Total		X	NA	NA	ND	1
20 Manganese, Total	X		NA	NA	0.04	1
21 Tin, Total	X		NA	NA	0.1	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlorophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	NA
43 Kepone		X	N A	NA	NA	NA
44 Malathion		X	NA	NA	NA	NA
45 Mercaptodi methur		X	NA	NA	NA	NA
46 Methoxychlor		X	NA	NA	NA	NA
47 Methyl mercaptan		X	NA	NA	NA	NA
48 Methyl metha crylate		X	NA	NA	NA	NA
49 Methyl parathion		X	NA	NA	NA	NA
50 Mevinphos		X	NA	NA	NA	NA
51 Mexacarbate		X	NA	NA	NA	NA
52 Monoethyl amine		X	NA	NA	NA	NA
53 Monomethyl amine		X	NA	NA	NA	NA
54 Naled		X	NA	NA	NA	NA
55 Napthenic acid		X	NA	NA	NA	NA
56 Nitrotoluene		X	NA	NA	NA	NA
57 Parathion		X	NA	NA	NA	NA
58 Phenolsulfanate		X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(C)(20) (preamble). Where grab samples are required, provide the average and maximum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001B-1(a) (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 135,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 135,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 135,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Intermittent discharge. Long term average 6 times per year.

** - Discharge commenced after issuance of modified permit no. CT0003263 dated September 19, 1986.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 steam generator secondary side wet lay-up drainage (including hydrazine from steam generator secondary side treatment).

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity
	from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001B-1(a) (Steam Generator Wet Layup Drainage)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	INTERMITTENT DISCHARGE. THERE WAS NO FLOW FOR SAMPLING. DISCHARGE WILL BE SAMPLED IF FLOW			
Chemical Oxygen Demand	RECOMMENCES.			
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001B-2 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 4,500 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 4,500 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 9,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 3.5 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 3.5 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Batch discharge. Average twice per day.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 aerated waste monitor tank discharge including boric acid for neutron absorption.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001B-2 (Aerated Waste Monitor Tank)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	8.9	1
Chemical Oxygen Demand	NA	NA	26.0	1
Total Organic Carbon	NA	NA	53.6	1
Oil and Grease	10.7	12.0	NA	4
Total Suspended Solids	24.47	44.00	NA	13
Ammonia (as Nitrogen)	NA	NA	0.01	1
Phosphorus (Total)	NA	NA	0.7	1
Maximum Temperature (Winter and Summer)	78.8 F	78.8 F	NA	2
pH (minimum and maximum)	6.8 SU	NA	6.0 - 7/7 SU	14

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X	X		NA	NA	0.2	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X				
7.Copper, Total	X	X		NA	NA	0.05	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X	X		NA	NA	0.0002	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X		NA	NA	0.02	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X	X		.007	.012	NA	3

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X	X		NA	NA	18.0	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5 (ug/l) Maximum Daily Concentration*	6 (ug/l) Daily Composite Results*	Number of Analys
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X	X		NA	NA	37.0	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	Na	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	
21 PCB-1232			X	NA	NA	NA	
22 PCB-1248			X	NA	NA	NA	
23 PCB-1260			X	NA	NA	NA	
24 PCB-1016			X	NA	NA	NA	
25 Toxaphene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul
required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(1) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color	X		NA	NA	10	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite	X		NA	NA	0.01	1
7 Nitrogen, Total Organic	X		NA	NA	0.32	1
8 Radioactivity						
1 Alpha, Total (pCi/l)	X		NA	NA	4.0+/-5	1
2 Beta, Total (pCi/l)	X		NA	NA	4160+/-60	1
3 Radium, Total (pCi/l)		X	NA	NA	1.4+/-.3	1
4 Radium 226, Total (pCi/l)		X	NA	NA	.12+/-.09	1
9 Sulfate		X	NA	NA	ND	1
10 Sulfide	X		NA	NA	0.6	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/l) Average Monthly Concentration*	4(mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	710	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	0.17	1
18 Magnesium, Total		X	NA	NA	ND	1
19 Molybdenum, Total		X	NA	NA	ND	1
20 Manganese, Total	X		NA	NA	0.01	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichlo ropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	NA	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDD may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(CX20) (preamble). Where grab samples are required, provide the average and maximum resu as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

___X___ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001B-2(a) (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 127,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 127,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 127,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Intermittent discharge. Maximum once per year for one to seven days.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 steam generator chemical cleaning wastewater.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001B-2(a) (Steam Generator Chemical Cleaning)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)).

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	INTERMITTENT DISCHARGE. THERE WAS NO FLOW FOR SAMPLING. DISCHARGE WILL BE SAMPLED IF FLOW			
Chemical Oxygen Demand	RECOMMENCES.			
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 0013-2(b) (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 30,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 30,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 30,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Intermittent discharge. Maximum once per year for one to seven days.

** - Discharge commenced after issuance of modified permit no. CT0003263 dated September 19, 1986.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 steam generator chemical decontamination wastewater.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(l) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001B-2(b) (Steam Generator Chemical Decontamination

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	INTERMITTENT DISCHARGE. THERE WAS NO FLOW FOR SAMPLING. DISCHARGE WILL BE SAMPLED IF FLOW			
Chemical Oxygen Demand	RECOMMENCES.			
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001B-2 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 30,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 30,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 30,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 4 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 4 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Batch discharge. Average once per day.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Coolant waste monitor tank including boric acid for neutron absorption.

10. Effluent Guidelines Categories: Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001B-3 (Coolant Waste Monitor Tank)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	ND	1
Chemical Oxygen Demand	NA	NA	28.0	1
Total Organic Carbon	NA	NA	3.1	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	2.4	6.0	NA	12
Ammonia (as Nitrogen)	NA	NA	ND	1
Phosphorus (Total)	NA	NA	0.03	1
Maximum Temperature (Winter and Summer)	78.8 F	78.8 F	NA	8
pH (minimum and maximum)	7.6 SU	NA	5.7 -8.6 SU	19

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols if applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X	X		NA	NA	0.01	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X		X	NA	NA	ND	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X		X	ND	ND	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum result required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Number of Analyse
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X		X	NA	NA	ND	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numbe of Analys
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(cX20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul
required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(l) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color	X		NA	NA	5	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite		X	NA	NA	ND	1
7 Nitrogen, Total Organic	X		NA	NA	0.05	1
8 Radioactivity						
1 Alpha, Total (pCi/l)	X		NA	NA	33+/-7	1
2 Beta, Total (pCi/l)	X		NA	NA	136800+/-400	1
3 Radium, Total (pCi/l)		X	NA	NA	.4+/-.2	1
4 Radium 226, Total (pCi/l)		X	NA	NA	.8+/-.3	1
9 Sulfate		X	NA	NA	ND	1
10 Sulfide		X	NA	NA	ND	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	25.0	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total		X	NA	NA	ND	1
18 Magnesium, Total		X	NA	NA	ND	1
19 Molybdenum, Total		X	NA	NA	ND	1
20 Manganese, Total		X	NA	NA	ND	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	NA	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum r required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(CX20) (preamble). Where grab samples are required, provide the average and maxmum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001B-4 (Delete discharge) (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow _____ gallons per(day) (event) (22a-430-4(c)(6))
3. Maximum Daily Flow _____ gallons per(day) (event) (22a-430-4(c)(6))
4. Design Flow _____ gallons per (day)(minute)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs _____ (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs _____ (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001B-4 Delete discharge.

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)				
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001B-5 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 28.8 Ex6 gallons per(day) (~~event~~) (22a-430-4(c)(6))
3. Maximum Daily Flow 28.8 Ex6 gallons per(day) (~~event~~) (22a-430-4(c)(6))
4. Design Flow 20,000 gallons per ~~(day)~~(minute)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Continuous discharge

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 auxiliary heat exchanger (service water) discharge.

Contributing process: Chlorination

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001B-5 (Auxiliary Heat Exchanger)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	14.0	1
Chemical Oxygen Demand	NA	NA	ND	1
Total Organic Carbon	NA	NA	1.2	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	30.6	52.9	NA	13
Ammonia (as Nitrogen)	NA	NA	0.09	1
Phosphorus (Total)	NA	NA	0.04	1
Maximum Temperature (Winter and Summer)	62.6 F	62.6 F	NA	8
pH (minimum and maximum)	7.9 SU	NA	7.9 - 8.2 SU	20

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level
ASW - Approved Sampling Waiver

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X	X		NA	NA	0.001	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X		X	NA	NA	ND	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyse
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X		X	NA	NA	ND	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X		X	0.33	1.10	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ASW	1
2 Acrylonitrile	X		X	NA	NA	ASW	1
3 Benzene	X		X	NA	NA	ASW	1
4 Bromoform	X		X	NA	NA	ASW	1
5 Carbon Tetra chloride	X		X	NA	NA	ASW	1
6 Chlorobenzene	X		X	NA	NA	ASW	1
7 Chlorodi bromomethane	X		X	NA	NA	ASW	1
8 Chloroethane	X		X	NA	NA	ASW	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ASW	1
10 Chloroform	X		X	NA	NA	ASW	1
11 Dichlorobro momethane	X		X	NA	NA	ASW	1
12 1,1-Dichloro ethane	X		X	NA	NA	ASW	1
13 1,2-Dichloro ethane	X		X	NA	NA	ASW	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ASW	1
15 1,2-Dichloro propane	X		X	NA	NA	ASW	1
16 1,2-Dichloro propylene	X		X	NA	NA	ASW	1
17 Ethylbenzene	X		X	NA	NA	ASW	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Number of Analyse
18 Methyl Bromide	X		X	NA	NA	ASW	1
19 Methyl Chloride	X		X	NA	NA	ASW	1
20 Methylene Chloride	X		X	NA	NA	ASW	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ASW	1
22 Tetrachloro ethylene	X		X	NA	NA	ASW	1
23 Toluene	X		X	NA	NA	ASW	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ASW	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ASW	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ASW	1
27 Trichlor oethylene	X		X	NA	NA	ASW	1
28 Vinyl Chloride	X		X	NA	NA	ASW	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numbe of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(cX20) Preamble). Where grab samples are required, including the average and maximum res required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro nephthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyse
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(1) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide	X		NA	NA	56.0	1
2 Chlorine, Total Resideal	X		0.04	0.06	NA	8
3 Color	X		NA	NA	5	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite	X		NA	NA	0.08	1
7 Nitrogen, Total Organic		X	NA	NA	ND	1
8 Radioactivity						
1 Alpha, Total (pCi/l)		X	NA	NA	NA	
2 Beta, Total (pCi/l)		X	NA	NA	NA	
3 Radium, Total (pCi/l)		X	NA	NA	NA	
4 Radium 226, Total (pCi/l)		X	NA	NA	NA	
9 Sulfate	X		NA	NA	2600	1
10 Sulfide	X		NA	NA	0.2	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	2.8	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	0.14	1
18 Magnesium, Total	X		NA	NA	930	1
19 Molybdenum, Total	X		NA	NA	1.2	1
20 Manganese, Total	X		NA	NA	0.01	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	N A	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numb of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(C)(20) (preamble). Where grab samples are required, provide the average and maximum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001B-6 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 25,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 25,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 50,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 6.5 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 6.5 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Batch discharge. Average twice per day.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 condensate polisher regeneration wastewater neutralization tank discharge including boric acid from steam generator treatment, plant equipment washwater that may be corrosive but is not hazardous by any other characteristic, and system floor drains.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(l) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001B-6 (Wastewater Neutralization Tank)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	ND	1
Chemical Oxygen Demand	NA	NA	28.0	1
Total Organic Carbon	NA	NA	3.8	1
Oil and Grease	1.3	2.4	NA	16
Total Suspended Solids	22.19	50.00	NA	13
Ammonia (as Nitrogen)	NA	NA	26.0	1
Phosphorus (Total)	NA	NA	0.04	1
Maximum Temperature (Winter and Summer)	77.0 F	77.0 F	NA	8
pH (minimum and maximum)	7.7 SU	NA	7.0 - 9.0 SU	20

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X	X		NA	NA	0.02	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X	X		NA	NA	0.04	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X		NA	NA	0.04	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X		X	ND	ND	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X		X	NA	NA	ND	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspe ted Present	3 Believed Absent	4 (ug/1) Average Monthly Concentration*	5(ug/1) Maximum Daily Concentration*	6(ug/1) Daily Composite Results*	Numbe of Analyse
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum result required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	
21 PCB-1232			X	NA	NA	NA	
22 PCB-1248			X	NA	NA	NA	
23 PCB-1260			X	NA	NA	NA	
24 PCB-1016			X	NA	NA	NA	
25 Toxaphene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(1) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color	X		NA	NA	5	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite		X	NA	NA	ND	1
7 Nitrogen, Total Organic		X	NA	NA	ND	1
8 Radioactivity						
1 Alpha, Total (pCi/l)	X		NA	NA	2+/-2	1
2 Beta, Total (pCi/l)	X		NA	NA	4+/-2	1
3 Radium, Total (pCi/l)		X	NA	NA	.03+/-.13	1
4 Radium 226, Total (pCi/l)		X	NA	NA	.7+/-.4	1
9 Sulfate	X		NA	NA	440.00	1
10 Sulfide		X	NA	NA	ND	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	0.21	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	0.79	1
18 Magnesium, Total	X		NA	NA	0.15	1
19 Molybdenum, Total		X	NA	NA	ND	1
20 Manganese, Total	X		NA	NA	0.02	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	N A	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu
required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophenyl phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDD) may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytical standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Number of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(CX20) (preamble). Where grab samples are required, provide the average and maximum results as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm below.

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001B-7 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 5.8 Ex6 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 5.8 Ex6 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 4,000 gallons per ~~(day)~~(minute)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Continuous discharge.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 condensate polisher auxiliary heat exchanger (service water) discharge.

Contributing process: Chlorination

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001B-7

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. DISCHARGE SUBSTANTIALLY IDENTICAL TO DSN 001A-5.			
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001B-8 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 100,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 100,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 100,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin April 1976 (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 6 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 6 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Intermittent discharge. Average five times per year.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 condenser hotwell discharge including hydrazine from condensate treatment.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(l) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) __X__

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001B-8 (Unit 2 Condenser Hotwell)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	INTERMITTENT DISCHARGE. THERE WAS NO FLOW FOR SAMPLING. DISCHARGE WILL BE SAMPLED IF FLOW COMMENCES.			
Chemical Oxygen Demand	DISCHARGE SUBSTANTIALLY IDENTICAL TO 001C-8.			
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001B-9 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 30,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 30,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 30,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Intermittent discharge. Average three times per year for one to three days.

** - Discharge commenced after issuance of modified permit no. CT0003263 dated September 19, 1986.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 non-contaminated closed cooling water system drainage including hydrazine added to inhibit corrosion.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(l) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) ___X___ No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001B-9

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	INTERMITTENT DISCHARGE. THERE WAS NO FLOW FOR SAMPLING. DISCHARGE WILL BE SAMPLED IF FLOW			
Chemical Oxygen Demand	RECOMMENCES.			
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 1,313.2 Ex6 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 1,313.2 Ex6 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 1,313.2 Ex6 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Continuous discharge.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 3 non-contact cooling water discharge.

Contributing process: Screening and chlorination.

10. Effluent Guidelines Categories: Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(l) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001C (Unit No. 3 Discharge)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. DISCHARGE SUBSTANTIALLY IDENTICAL TO DSN 001A. ONLY MAXIMUM TEMPERATURE			
Chemical Oxygen Demand	AND CHLORINE, FREE AVAILABLE ARE BEING REPORTED.			
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Chlorine, Free Available	0.6 mg/l	0.12 mg/l	NA	12
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)	W - 70.8 F S - 79.0 F	W - 82.6 F S - 92.8 F	NA	12
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes X No _____

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS
X		On December 29, 1988, Discharge Toxicity Evaluation Report by
	submitted	way of a letter (D02410) from R. A. Reckert to R. Barlow.

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C-1 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 576,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 576,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 576,000 gallons per (day)~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Continuous discharge.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 3 steam generator blowdown discharge.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001C - 1 (Steam Generator Blow Down)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	ND	1
Chemical Oxygen Demand	NA	NA	ND	1
Total Organic Carbon	NA	NA	ND	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	0.2	2.00	NA	12
Ammonia (as Nitrogen)	NA	NA	0.08	1
Phosphorus (Total)	NA	NA	0.01	1
Maximum Temperature (Winter and Summer)	77.0 F	77.0 F	NA	8
pH (minimum and maximum)	8.7 SU	NA	8.6 - 8.8 SU	19

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X	X		NA	NA	0.02	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyse
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X		X	NA	NA	ND	1
15.Cyanide, Total	X		X	NA	NA	ND	1
16.Cyanide, Amenable	X		X	NA	NA	ND	1
17.Phenols, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X		X	NA	NA	ND	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numbe of Analyse
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/1) Average Monthly Concentration*	5(ug/1) Maximum Daily Concentration*	6(ug/1) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numt of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth ene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyse
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(l) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color		X	NA	NA	ND	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite		X	NA	NA	ND	1
7 Nitrogen, Total Organic	X		NA	NA	0.07	1
8 Radioactivity						
1 Alpha, Total (pCi/l)		X	NA	NA	2.2+/-.4	1
2 Beta, Total (pCi/l)		X	NA	NA	16.1+/-.9	1
3 Radium, Total (pCi/l)		X	NA	NA	.1+/-.3	1
4 Radium 226, Total (pCi/l)		X	NA	NA	.4+/-.2	1
9 Sulfate		X	NA	NA	ND	1
10 Sulfide		X	NA	NA	ND	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	0.07	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total		X	NA	NA	ND	1
18 Magnesium, Total		X	NA	NA	ND	1
19 Molybdenum, Total		X	NA	NA	ND	1
20 Manganese, Total		X	NA	NA	ND	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	N A	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numb of Analy
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(cX20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(C)(20) (preamble). Where grab samples are required, provide the average and maxmum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

___X___ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C-1(a) (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 144,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 144,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 144,000 gallons per (day)~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Intermittent discharge. Long term average twelve times per year.

**-Discharge commenced after issuance of modified permit no. CT0003263 dated September 19, 1986.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 3 steam generator secondary side wet layup drainage including hydrazine from steam generator secondary side treatment.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(l) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001C - 1 (a) (No. 3 Wet Lay-up Drainage)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	23.0	32.0	NA	3
Chemical Oxygen Demand	76.0	97.0	NA	3
Total Organic Carbon	NA	NA	1.0	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	NA	NA	ND	1
Ammonia (as Nitrogen)	NA	NA	9.9	1
Phosphorus (Total)	NA	NA	0.05	1
Maximum Temperature (Winter and Summer)	77.0 F	77.0 F	NA	2
pH (minimum and maximum)	8.7 SU	NA	8.7 - 8.7 SU	2

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X	X		NA	NA	0.009	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X		X	NA	NA	ND	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyse
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X		X	NA	NA	ND	1
15.Cyanide, Total	X		X	NA	NA	ND	1
16.Cyanide, Amenable	X		X	NA	NA	ND	1
17.Phenols, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(cX20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/1) Average Monthly Concentration*	5(ug/1) Maximum Daily Concentration*	6(ug/1) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X		X	NA	NA	ND	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Number of Analyses
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/1) Average Monthly Concentration*	5(ug/1) Maximum Daily Concentration*	6(ug/1) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numt of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(l) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color		X	NA	NA	ND	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite		X	NA	NA	ND	1
7 Nitrogen, Total Organic	X		NA	NA	1.6	1
8 Radioactivity						
1 Alpha, Total (pCi/l)		X	NA	NA	.3+/-0.2	1
2 Beta, Total (pCi/l)		X	NA	NA	1.2+/-0.4	1
3 Radium, Total (pCi/l)		X	NA	NA	-.13+/-.05	1
4 Radium 226, Total (pCi/l)		X	NA	NA	0+/-.09	1
9 Sulfate		X	NA	NA	ND	1
10 Sulfide	X		NA	NA	9.1	1
11 Sulfite	X		NA	NA	3	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/l) Average Monthly Concentration*	4(mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total		X	NA	NA	ND	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total		X	NA	NA	ND	1
18 Magnesium, Total		X	NA	NA	ND	1
19 Molybdenum, Total		X	NA	NA	ND	1
20 Manganese, Total		X	NA	NA	ND	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total	X		NA	NA	0.03	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	N A	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numb of Analy
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(CX20) (preamble). Where grab samples are required, provide the average and maxmum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - **Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).**

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C-2 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 25,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 25,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 50,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 7 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 7 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Batch discharge. Average twice per day.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 3 waste test tank discharge including boric acid for neutron absorption.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) ___X___ No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001C-2 (waste test tank)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	4.0	1
Chemical Oxygen Demand	NA	NA	22.0	1
Total Organic Carbon	NA	NA	5.6	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	NA	NA	7.8	1
Ammonia (as Nitrogen)	NA	NA	0.26	1
Phosphorus (Total)	NA	NA	0.19	1
Maximum Temperature (Winter and Summer)	77 F	77 F	NA	2
pH (minimum and maximum)	7.5 SU	NA	3.8-9.9 SU	14

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X	X		NA	NA	0.1	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X	X		NA	NA	0.02	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X	X		NA	NA	0.0003	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X		NA	NA	0.03	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X		X	ND	ND	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X		X	NA	NA	ND	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Number of Analyses
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

* As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(l) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color	X		NA	NA	20	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite	X		NA	NA	0.02	1
7 Nitrogen, Total Organic	X		NA	NA	1.2	1
8 Radioactivity						
1 Alpha, Total (pCi/l)	X		NA	NA	8+/-2	1
2 Beta, Total (pCi/l)	X		NA	NA	16970+/-60	1
3 Radium, Total (pCi/l)		X	NA	NA	.8+/-.2	1
4 Radium 226, Total (pCi/l)		X	NA	NA	-.1+/-.3	1
9 Sulfate	X		NA	NA	1.9	1
10 Sulfide	X		NA	NA	0.7	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	180	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	0.24	1
18 Magnesium, Total	X		NA	NA	0.03	1
19 Molybdenum, Total	X		NA	NA	0.09	1
20 Manganese, Total		X	NA	NA	ND	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichlo ropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	NA	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichloropheny phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(CX20) (preamble). Where grab samples are required, provide the average and maximum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C-3 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 5,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 5,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 20,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 4.5 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 4.5 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Batch discharge. Average four times per day.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Low level waste drain tank discharge including boric acid for neutron absorption.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001C-3 (Low Level Waste Tank)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	ND	1
Chemical Oxygen Demand	NA	NA	ND	1
Total Organic Carbon	NA	NA	1.0	1
Oil and Grease	3.1	3.8	NA	4
Total Suspended Solids	19.0	37.7	NA	13
Ammonia (as Nitrogen)	NA	NA	0.26	1
Phosphorus (Total)	NA	NA	ND	1
Maximum Temperature (Winter and Summer)	77 F	77 F	NA	2
pH (minimum and maximum)	10.6 SU	NA	8.1 - 11.7 SU	14

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X		X	NA	NA	ND	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X	X		NA	0.02	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X		X	ND	ND	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/1) Average Monthly Concentration*	5(ug/1) Maximum Daily Concentration*	6(ug/1) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X		X	NA	NA	ND	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5 (ug/l) Maximum Daily Concentration*	6 (ug/l) Daily Composite Results*	Number of Analyse
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a 430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum result required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(l) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color	X		NA	NA	5	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite	X		NA	NA	0.02	1
7 Nitrogen, Total Organic		X	NA	NA	ND	1
8 Radioactivity						
1 Alpha, Total (pCi/l)	X		NA	NA	-.5+/-.4	1
2 Beta, Total (pCi/l)	X		NA	NA	132+/-5	1
3 Radium, Total (pCi/l)		X	NA	NA	.09+/-.09	1
4 Radium 226, Total (pCi/l)		X	NA	NA	.1+/-.2	1
9 Sulfate		X	NA	NA	ND	1
10 Sulfide	X		NA	NA	0.7	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total	X		NA	NA	5.0	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	0.11	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	0.06	1
18 Magnesium, Total		X	NA	NA	ND	1
19 Molybdenum, Total		X	NA	NA	ND	1
20 Manganese, Total		X	NA	NA	ND	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	NA	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(cX20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichioropherol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(C)(20) (preamble). Where grab samples are required, provide the average and maximum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C-4 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 80,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 80,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 80,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 8 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 8 (22a-430-4(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Batch discharge. Average once per day.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 3 makeup demineralizer backwash wastewater discharge including feedwater system wet lay-up drainage and auxiliary boiler stack drain discharge.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001C - 4 (Demin Backwash Wastewater)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	ND	1
Chemical Oxygen Demand	NA	NA	14.0	1
Total Organic Carbon	NA	NA	6.8	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	12.34	27.10	NA	13
Ammonia (as Nitrogen)	NA	NA	17.0	1
Phosphorus (Total)	NA	NA	0.01	1
Maximum Temperature (Winter and Summer)	77 F	77 F	NA	2
pH (minimum and maximum)	8.5 SU	NA	7.0 - 9.6 SU	14

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X	X		NA	NA	0.02	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X	X		NA	NA	0.04	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X		NA	NA	0.42	1
15.Cyanide, Total	X		X	NA	NA	ND	
16.Cyanide, Amenable	X		X	NA	NA	ND	1
17.Phenols, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X	X		NA	NA	100.0	1
11 Dichlorobro momethane	X	X		NA	NA	9.0	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Number of Analyses
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(l) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color	X		NA	NA	40	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite	X		NA	NA	0.03	1
7 Nitrogen, Total Organic	X		NA	NA	0.58	1
8 Radioactivity						
1 Alpha, Total (pCi/l)		X	NA	NA	.05+/-.12	1
2 Beta, Total (pCi/l)		X	NA	NA	.8+/-.3	1
3 Radium, Total (pCi/l)		X	NA	NA	.4+/-.3	1
4 Radium 226, Total (pCi/l)		X	NA	NA	.05+/-.07	1
9 Sulfate	X		NA	NA	20	1
10 Sulfide		X	NA	NA	ND	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants	X		NA	NA	0.21	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total		X	NA	NA	ND	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	4.7	1
18 Magnesium, Total	X		NA	NA	0.96	1
19 Molybdenum, Total		X	NA	NA	ND	1
20 Manganese, Total	X		NA	NA	0.25	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibrom..		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene			NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	NA	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
[illegible]		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then [illegible] quantitative data for TCDD using a sampling procedure not calibrated with analytic

1 Known or Suspected Present	2 Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
N.A.					

*As applicable (see 22A-430-4-(C)(20) (preamble). Where grab samples are required, provide the average and maximum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm below.

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No __X__ ___

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C-5 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 43.2 Ex6 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 43.2 Ex6 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 30,000 gallons per ~~(day)~~(minute)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Continuous discharge.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 3 auxiliary heat exchanger (service water) discharge.

Contributing process: Chlorination

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT: WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001C-5 (Auxiliary Heat Exchanger)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. DISCHARGE SUBSTANTIALLY IDENTICAL TO DSN 001A-5.			
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C-6 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 25,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 25,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 50,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 6 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 6 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Batch discharge. Average twice per day.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 3 condensate polisher regeneration wastewater neutralization tank discharge including hydrazine from feedwater system treatment, plant equipment washwater that may be corrosive but is not hazardous by any other characteristic, Unit No. 3 hot water heating system drainage and system floor drains.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(l) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (1)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001C-6 (Wastewater Neutralization Tank)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3)(mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	ND	1
Chemical Oxygen Demand	NA	NA	ND	1
Total Organic Carbon	NA	NA	ND	1
Oil and Grease	1.2	2.6	NA	13
Total Suspended Solids	25.4	41.1	NA	13
Ammonia (as Nitrogen)	NA	NA	0.22	1
Phosphorus (Total)	NA	NA	ND	1
Maximum Temperature (Winter and Summer)	77 F	77 F	NA	2
pH (minimum and maximum)	8.6 SU	NA	8.1 - 9.6 SU	14

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by these regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X	X		NA	NA	0.03	1
6.Chromium, Hexavalent	X	X		NA	NA	0.007	1
7.Copper, Total	X	X		NA	NA	0.62	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X	X		NA	NA	0.12	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X		NA	NA	0.03	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X		X	ND	ND	NA	3

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X	X		NA	NA	6.0	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numbe of Analys
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphtylene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(1) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Chlorine, Total Residual		X	NA	NA	NA	
3 Color	X		NA	NA	15	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite	X		NA	NA	.04	1
7 Nitrogen, Total Organic		X	NA	NA	ND	1
8 Radioactivity						
1 Alpha, Total (pCi/l)		X	NA	NA	0.4+/-.2	1
2 Beta, Total (pCi/l)		X	NA	NA	1.4+/-.4	1
3 Radium, Total (pCi/l)		X	NA	NA	.2+/-.2	1
4 Radium 226, Total (pCi/l)		X	NA	NA	0.1+/-.2	1
9 Sulfate	X		NA	NA	11.0	1
10 Sulfide	X		NA	NA	0.3	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total		X	NA	NA	ND	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	7.5	1
18 Magnesium, Total	X		NA	NA	0.07	1
19 Molybdenum, Total		X	NA	NA	ND	1
20 Manganese, Total	X		NA	NA	0.01	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	NA	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(C)(20) (preamble). Where grab samples are required, provide the average and maximum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C-6(a) (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 40,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 40,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 40,000 gallons per (day ~~minute~~)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Intermittent discharge. Once per year for one to two days.

** - Discharge commenced after issuance of modified permit no. CT0003263 dated September 19,1986.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 3 steam generator chemical decontamination wastewater. Steam generator chemical decontamination process is limited to the use of chemical reagents listed in the permit modification application submitted to the Director of Water Compliance on April 17, 1986

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001C-6(a)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	INTERMITTENT DISCHARGE. THERE WAS NO FLOW FOR SAMPLING. DISCHARGE WILL BE SAMPLED IF FLOW			
Chemical Oxygen Demand	RECOMMENCES.			
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C-6(b) (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 72,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 72,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 50 gallons per ~~(day)~~(minute)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Intermittent discharge. Average three times per year for one to five days.

** - Discharge commenced after issuance of modified permit no. CT0003263 dated September 19, 1986.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C-6(b) (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 72,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 72,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 50 gallons per ~~(day)~~(minute)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Intermittent discharge. Average three times per year for one to five days.

** - Discharge commenced after issuance of modified permit no. CT0003263 dated September 19, 1986.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 3 auxiliary boiler blowdown sump discharge including hydrazine from boiler water treatment.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001C-6(b)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	INTERMITTENT DISCHARGE. THERE WAS NO FLOW FOR SAMPLING. DISCHARGE WILL BE SAMPLED IF FLOW RECOMMENCES.			
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C-7 (delete discharge) (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow _____ gallons per(day) (event) (22a-430-4(c)(6))
3. Maximum Daily Flow _____ gallons per(day) (event) (22a-430-4(c)(6))
4. Design Flow _____ gallons per (day)(minute)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs _____ (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs _____ (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001C-7 Delete discharge.

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)				
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C-8 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 100,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
3. Maximum Daily Flow 100,000 gallons per ~~(day)~~ (event) (22a-430-4(c)(6))
4. Design Flow 100,000 gallons per (day ~~minute~~)
5. Date Discharge Began or Will Begin _____ (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 6 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 6 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Intermettent discharge. Average five times per year.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 3 condenser hotwell discharge including hydazine from condensate treatment.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001C - 8 (No. 3 Condenser Hotwell)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	4.0	1
Chemical Oxygen Demand	NA	NA	4.7	1
Total Organic Carbon	NA	NA	ND	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	8.2	15.4	NA	3
Ammonia (as Nitrogen)	NA	NA	ND	1
Phosphorus (Total)	NA	NA	ND	1
Maximum Temperature (Winter and Summer)	NO TEMPERATURE WAS TAKEN DURING THE SAMPLING. THE TEMPERATURE SHOULD HAVE BEEN AMBIENT.			
pH (minimum and maximum)	8.2 SU	NA	7.6-8.7 SU	2

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X	X		NA	NA	0.001	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X	X		NA	NA	0.02	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X		NA	NA	0.02	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X	X		0.013	0.027	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X		X	NA	NA	ND	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	NO	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numbe of Analys
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul
required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul
required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(l) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Calorine, Total Resideal		X	NA	NA	NA	
3 Color	X		NA	NA	5	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite		X	NA	NA	ND	1
7 Nitrogen, Total Organic		X	NA	NA	ND	1
8 Radioactivity						
1 Alpha, Total (pCi/l)		X	NA	NA	.06+/-.08	1
2 Beta, Total (pCi/l)		X	NA	NA	.3+/-.3	1
3 Radium, Total (pCi/l)		X	NA	NA	1+/-2	1
4 Radium 226, Total (pCi/l)		X	NA	NA	.08+/-.05	1
9 Sulfate		X	NA	NA	ND	1
10 Sulfide	X		NA	NA	0.12	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total		X	NA	NA	ND	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		2.22	3.5	NA	3
18 Magnesium, Total		X	NA	NA	ND	1
19 Molybdenum, Total		X	NA	NA	ND	1
20 Manganese, Total		X	NA	NA	ND	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo ropbenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	N A	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDD may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(C)(20) (preamble). Where grab samples are required, provide the average and maxmum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 [illegible]ood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 001C-9 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 30,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 30,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 30,000 gallons per (day)~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Intermittant discharge. Average three times per year.

** - Discharge commenced after issuance of modified permit no. CT0003263 dated September 19, 1986.

3. Flow commenced prior

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 3 non-contaminated closed cooling water system drainage including hydrazine from system treatment.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT: WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	001C - 9 (Non-contaminated Cooling System)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	31.5	57.0	NA	2
Chemical Oxygen Demand	41.5	42.0	NA	2
Total Organic Carbon	NA	NA	ND	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	NA	NA	ND	1
Ammonia (as Nitrogen)	NA	NA	1.8	1
Phosphorus (Total)	NA	NA	0.01	1
Maximum Temperature (Winter and Summer)	77 F	77 F	NA	8
pH (minimum and maximum)	9.4 SU	NA	9.3 - 9.6 SU	8

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X	X		NA	NA	0.06	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ND	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyse
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X		X	NA	NA	ND	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X		X	ND	ND	NA	4

*As applicable (see 22a-430-4(cX20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/1) Average Monthly Concentration*	5(ug/1) Maximum Daily Concentration*	6(ug/1) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X		X	NA	NA	ND	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5 (ug/l) Maximum Daily Concentration*	6 (ug/l) Daily Composite Results*	Number of Analyses
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetrachloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Trichloroethane	X		X	NA	NA	ND	1
26 1,1,2-Trichloroethane	X		X	NA	NA	ND	1
27 Trichloroethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum results required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numt of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(l) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color	X		NA	NA	30	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite	X		NA	NA	0.12	1
7 Nitrogen, Total Organic	X		NA	NA	0.4	1
8 Radioactivity						
1 Alpha, Total (pCi/l)		X	NA	NA	.7+/-.5	1
2 Beta, Total (pCi/l)		X	NA	NA	1.1+/-.5	1
3 Radium, Total (pCi/l)		X	NA	NA	.02+/-.06	1
4 Radium 226, Total (pCi/l)		X	NA	NA	-.07+/-.1	1
9 Sulfate		X	NA	NA	ND	1
10 Sulfide	X		NA	NA	6.5	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	0.05	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	0.62	1
18 Magnesium, Total		X	NA	NA	ND	1
19 Molybdenum, Total		X	NA	NA	ND	1
20 Manganese, Total	X		NA	NA	0.01	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	NA	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numb of Analy
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(CX20) (preamble). Where grab samples are required, provide the average and maximum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

___X___ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

	Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1	Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2		Braintree, MA		the following:
3				Total Residual Chlorine
4				
5				
6				
7				
8				
9				
10				

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 002 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 252,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 2,016,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 2,016,000 gallons per (day) ~~(minute)~~
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Continuous discharge.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 1 screen washwater discharge.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	002

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. INTAKE SCREEN WASHWATER.			
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 003 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 317,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 2,540,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 2,540,000 gallons per (day ~~minute~~)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Continuous discharge.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 screen washwater discharge.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) ___X___ No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.a. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	003

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. INTAKE SCREEN WASHWATER.			
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 004 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow 720,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
3. Maximum Daily Flow 5,760,000 gallons per(day) ~~(event)~~ (22a-430-4(c)(6))
4. Design Flow 5,760,000 gallons per (day ~~minute~~)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs 24 (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Continuous discharge.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

Unit No. 3 screen washwater discharge.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	004

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. INTAKE SCREEN WASHWATER.			
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 005 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
3. Maximum Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
4. Design Flow NA gallons per (day)(minute)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs Variable (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs Variable (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Variable flow dependent on floor drains and surface water runoff.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 1 non-contaminated floor drains, transformer yard drains, waterwashes, clean water drains, and surface water runoff.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	005 (Non-contaminated Drains and Runoff)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3)(mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	7.5	1
Chemical Oxygen Demand	NA	NA	22.0	1
Total Organic Carbon	NA	NA	8.9	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	NA	NA	7.3	1
Ammonia (as Nitrogen)	NA	NA	NA	
Phosphorus (Total)	NA	NA	NA	
Maximum Temperature (Winter and Summer)	71.6 F	71.6 F	NA	8
pH (minimum and maximum)	6.5 SU	NA	6.4 -6.9 SU	8
Total Kjeldahl Nitrogen	NA	NA	10.0	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level
ASW - Approved Sampling Waiver

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discha e of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ASW	
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ASW	
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ASW	
7.Copper, Total	X		X	NA	NA	ND	1
8.Lead, Total	X	X		NA	NA	0.1	1
9.Mercury, Total	X		X	NA	NA	ASW	
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ASW	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyse
12.Silver, Total	X		X	NA	NA	ASW	
13.Thallium, Total	X		X	NA	NA	ASW	
14.Zinc, Total	X	X		NA	NA	0.18	1
15.Cyanide, Total	X		X	NA	NA	ASW	
16.Cyanide, Amenable	X		X	NA	NA	ASW	
17.Phenols, Total	X		X	NA	NA	ASW	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ASW	-
2 Acrylonitrile	X		X	NA	NA	ASW	-
3 Benzene	X		X	NA	NA	ASW	-
4 Bromoform	X		X	NA	NA	ASW	-
5 Carbon Tetra chloride	X		X	NA	NA	ASW	
6 Chlorobenzene	X		X	NA	NA	ASW	
7 Chlorodi bromomethane	X		X	NA	NA	ASW	
8 Chloroethane	X		X	NA	NA	ASW	
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ASW	
10 Chloroform	X		X	NA	NA	ASW	
11 Dichlorobro momethane	X		X	NA	NA	ASW	
12 1,1-Dichloro ethane	X		X	NA	NA	ASW	
13 1,2-Dichloro ethane	X		X	NA	NA	ASW	
14 1,1-Dichloro ethylene	X		X	NA	NA	ASW	
15 1,2-Dichloro propane	X		X	NA	NA	ASW	
16 1,2-Dichloro propylene	X		X	NA	NA	ASW	
17 Ethylbenzene	X		X	NA	NA	ASW	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numbe of Analys
18 Methyl Bromide	X		X	NA	NA	ASW	
19 Methyl Chloride	X		X	NA	NA	ASW	
20 Methylene Chloride	X		X	NA	NA	ASW	
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ASW	
22 Tetrachloro ethylene	X		X	NA	NA	ASW	
23 Toluene	X		X	NA	NA	ASW	
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ASW	
25 1,1,1-Tri chloroethane	X		X	NA	NA	ASW	
26 1,1,2-Tri chloroethane	X		X	NA	NA	ASW	
27 Trichlor oethylene	X		X	NA	NA	ASW	
28 Vinyl Chloride	X		X	NA	NA	ASW	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ASW	
2 2,4-Dichloro phenol	X		X	NA	NA	ASW	
3 2,4-Dimethyl phenol	X		X	NA	NA	ASW	
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ASW	
5 2,4-Dinitro -phenol	X		X	NA	NA	ASW	
6 2-Nitrophenol	X		X	NA	NA	ASW	
7 4-Nitrophenol	X		X	NA	NA	ASW	
8 P-Chloro-M -Cresol	X		X	NA	NA	ASW	
9 Pentachloro -phenol	X		X	NA	NA	ASW	
10 Phenol	X		X	NA	NA	ASW	
11 2,4,6-Trichloro phenol	X		X	NA	NA	ASW	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numt of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	ND	1
19 PCB-1254			X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	ND	1
21 PCB-1232			X	NA	NA	ND	1
22 PCB-1248			X	NA	NA	ND	1
23 PCB-1260			X	NA	NA	ND	1
24 PCB-1016			X	NA	NA	ND	1
25 Toxaphene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(l) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	NA	
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color		X	NA	NA	NA	
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite		X	NA	NA	NA	
7 Nitrogen, Total Organic		X	NA	NA	NA	
8 Radioactivity		X			NA	
1 Alpha, Total (pCi/l)		X	NA	NA	NA	
2 Beta, Total (pCi/l)		X	NA	NA	NA	
3 Radium, Total (pCi/l)		X	NA	NA	NA	
4 Radium 226, Total (pCi/l)		X	NA	NA	NA	
9 Sulfate		X	NA	NA	NA	
10 Sulfide	X		NA	NA	0.2	1
11 Sulfite		X	NA	NA	NA	
12 Surfactants		X	NA	NA	NA	
Sodium	X		NA	NA	4.0	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	NA	
14 Barium, Total		X	NA	NA	NA	
15 Boron, Total		X	NA	NA	NA	
16 Cobalt, Total		X	NA	NA	NA	
17 Iron, Total		X	NA	NA	NA	
18 Magnesium, Total		X	NA	NA	NA	
19 Molybdenum, Total		X	NA	NA	NA	
20 Manganese, Total		X	NA	NA	NA	
21 Tin, Total		X	NA	NA	NA	
22 Titanium, Total		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	N A	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numb of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(CX20) (preamble). Where grab samples are required, provide the average and maximum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 006 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow Variable gallons per(day)(event)(22a-430-4(c)(6))
3. Maximum Daily Flow 300 (excluding surface water runoff) gallons per(day)(event)(22a-430-4(c)(6))
4. Design Flow 300 (excluding surface water runoff) gallons per ~~(day)~~(minute)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs Variable (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs 24 (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Variable flow dependent on floor drains and surface water runoff.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit Nos. 2 and 3 non-contaminated floor drains including boric acid from steam generator treatment, continuous blowdown from R.O. treatment of makeup water, Unit Nos. 2 and 3 diesel generator cooling water drainage, water softener regeneration drainage, Unit No. 3 control building cooling system drainage, waterwashes, clean water drains, and surface water runoff.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	006 (Unit Nos. 2 & 3 Non-contaminated Floor Drains)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	3.0	1
Chemical Oxygen Demand	NA	NA	12.0	1
Total Organic Carbon	NA	NA	4.2	1
Oil and Grease	0.69	2.00	NA	1
Total Suspended Solids	4.4	10.0	NA	13
Ammonia (as Nitrogen)	NA	NA	1.1	1
Phosphorus (Total)	NA	NA	0.05	1
Maximum Temperature (Winter and Summer)	60.8 F	60.8 F	NA	8
pH (minimum and maximum)	7.4 SU	NA	7.0 - 8.9 SU	20

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ND	1
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ND	1
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ND	1
7.Copper, Total	X	X		NA	NA	0.02	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X	X		NA	NA	0.0003	1
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyse
12.Silver, Total	X		X	NA	NA	ND	1
13.Thallium, Total	X		X	NA	NA	ND	1
14.Zinc, Total	X	X		NA	NA	0.08	1
15.Cyanide, Total	X		X	ND	ND	NA	4
16.Cyanide, Amenable	X		X	ND	ND	NA	4
17.Phenols, Total	X		X	ND	ND	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ND	1
2 Acrylonitrile	X		X	NA	NA	ND	1
3 Benzene	X		X	NA	NA	ND	1
4 Bromoform	X		X	NA	NA	ND	1
5 Carbon Tetra chloride	X		X	NA	NA	ND	1
6 Chlorobenzene	X		X	NA	NA	ND	1
7 Chlorodi bromomethane	X		X	NA	NA	ND	1
8 Chloroethane	X		X	NA	NA	ND	1
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ND	1
10 Chloroform	X	X		NA	NA	19.0	1
11 Dichlorobro momethane	X		X	NA	NA	ND	1
12 1,1-Dichloro ethane	X		X	NA	NA	ND	1
13 1,2-Dichloro ethane	X		X	NA	NA	ND	1
14 1,1-Dichloro ethylene	X		X	NA	NA	ND	1
15 1,2-Dichloro propane	X		X	NA	NA	ND	1
16 1,2-Dichloro propylene	X		X	NA	NA	ND	1
17 Ethylbenzene	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Number of Analyses
18 Methyl Bromide	X		X	NA	NA	ND	1
19 Methyl Chloride	X		X	NA	NA	ND	1
20 Methylene Chloride	X		X	NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ND	1
22 Tetrachloro ethylene	X		X	NA	NA	ND	1
23 Toluene	X		X	NA	NA	ND	1
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ND	1
25 1,1,1-Tri chloroethane	X		X	NA	NA	ND	1
26 1,1,2-Tri chloroethane	X		X	NA	NA	ND	1
27 Trichlor oethylene	X		X	NA	NA	ND	1
28 Vinyl Chloride	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ND	1
2 2,4-Dichloro phenol	X		X	NA	NA	ND	1
3 2,4-Dimethyl phenol	X		X	NA	NA	ND	1
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ND	1
5 2,4-Dinitro -phenol	X		X	NA	NA	ND	1
6 2-Nitrophenol	X		X	NA	NA	ND	1
7 4-Nitrophenol	X		X	NA	NA	ND	1
8 P-Chloro-M -Cresol	X		X	NA	NA	ND	1
9 Pentachloro -phenol	X		X	NA	NA	ND	1
10 Phenol	X		X	NA	NA	ND	1
11 2,4,6-Trichloro phenol	X		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numt of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyse
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(1) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	ND	1
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color	X		NA	NA	5	1
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite	X		NA	NA	0.22	1
7 Nitrogen, Total Organic	X		NA	NA	0.73	1
8 Radioactivity						
1 Alpha, Total (pCi/l)		X	NA	NA	.2+/-.5	1
2 Beta, Total (pCi/l)		X	NA	NA	3.2+/-.8	1
3 Radium, Total (pCi/l)		X	NA	NA	.1+/-.09	1
4 Radium 226, Total (pCi/l)		X	NA	NA	.16+/-.13	1
9 Sulfate	X		NA	NA	44.0	1
10 Sulfide	X		NA	NA	0.2	1
11 Sulfite		X	NA	NA	ND	1
12 Surfactants	X		NA	NA	0.058	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	ND	1
14 Barium, Total		X	NA	NA	ND	1
15 Boron, Total	X		NA	NA	0.06	1
16 Cobalt, Total		X	NA	NA	ND	1
17 Iron, Total	X		NA	NA	0.38	1
18 Magnesium, Total	X		NA	NA	2.9	1
19 Molybdenum, Total		X	NA	NA	ND	1
20 Manganese, Total	X		NA	NA	0.15	1
21 Tin, Total		X	NA	NA	ND	1
22 Titanium, Total		X	NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2.2-Dichlo ropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	N A	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum res
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numb of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum r
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(cX20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(C)(20) (preamble). Where grab samples are required, provide the average and maximum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes X No ____

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS
X		On December 29, 1988, submitted Discharge Toxicity Evaluation
		Report by way of a letter (D02410) from R. A. Reckert to R. Barlow.

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 007 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow Variable gallons per(day)(event)(22a-430-4(c)(6))
3. Maximum Daily Flow Variable gallons per(day)(event)(22a-430-4(c)(6))
4. Design Flow NA gallons per (day)(minute)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs Variable (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs Variable (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Surface water runoff.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Surface water runoff.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(l) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) ___X___ No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	007

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. DISCHARGE SUBSTANTIALLY IDENTICAL TO DSN 005.			
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 008 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
3. Maximum Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
4. Design Flow NA gallons per (day)(minute)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs Variable (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs Variable (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Variable flow dependent on floor drains and surface water runoff.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 1 non-contaminated floor drains, waterwashes, clean water drains, and surface water runoff.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	008

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. DISCHARGE IDENTICAL TO DSN 005.			SUBSTANTIALLY
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 009 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
3. Maximum Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
4. Design Flow NA gallons per (day)(minute)
5. Date Discharge Began or Will Begin ** (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs Variable (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs Variable (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Variable flow dependent on floor drains and surface water runoff.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 non-contaminated floor drains, fire pump house floor drains, waterwashes, clean water drains, and surface water runoff.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(l) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (40-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	009

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. DISCHARGE IDENTICAL TO DSN 005.			SUBSTANTIALLY
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 011 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
3. Maximum Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
4. Design Flow NA gallons per (day)(minute)
5. Date Discharge Began or Will Begin _____ (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs Variable (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs Variable (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge includir duration and frequency.(22a-430-4(c)(8)).

Surface water runoff.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Surface water runoff.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. **If you answered "Yes" to Item - 10.c.** list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT: WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	011 (Non-contaminated Floor Drains and Runoff)

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	5.0	1
Chemical Oxygen Demand	NA	NA	23.0	1
Total Organic Carbon	NA	NA	7.3	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	NA	NA	9.0	1
Ammonia (as Nitrogen)	NA	NA	NA	
Phosphorus (Total)	NA	NA	0.03	1
Maximum Temperature (Winter and Summer)	57.2 F	57.2 F	NA	8
pH (minimum and maximum)	6.7 SU	NA	6.4-7.0 SU	8
Total Kjeldahl Nitrogen	NA	NA	0.55 mg/l	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum results required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level
ASW - Approved Sampling Waiver

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total	X		X	NA	NA	ASW	
2.Arsenic, Total	X		X	NA	NA	ND	1
3.Beryllium, Total	X		X	NA	NA	ASW	
4.Cadmium, Total	X		X	NA	NA	ND	1
5.Chromium, Total	X		X	NA	NA	ND	1
6.Chromium, Hexavalent	X		X	NA	NA	ASW	
7.Copper, Total	X		X	NA	NA	ND	1
8.Lead, Total	X		X	NA	NA	ND	1
9.Mercury, Total	X		X	NA	NA	ASW	
10.Nickel, Total	X		X	NA	NA	ND	1
11.Selenium, Total	X		X	NA	NA	ASW	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyse
12.Silver, Total	X		X	NA	NA	ASW	
13.Thallium, Total	X		X	NA	NA	ASW	
14.Zinc, Total	X		X	NA	NA	ND	1
15.Cyanide, Total	X		X	NA	NA	ASW	
16.Cyanide, Amenable	X		X	NA	NA	ASW	
17.Phenols, Total	X		X	NA	NA	ASW	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numb of Analy
1 Acrolein	X		X	NA	NA	ASW	
2 Acrylonitrile	X		X	NA	NA	ASW	
3 Benzene	X		X	NA	NA	ASW	
4 Bromoform	X		X	NA	NA	ASW	
5 Carbon Tetra chloride	X		X	NA	NA	ASW	
6 Chlorobenzene	X		X	NA	NA	ASW	
7 Chlorodi bromomethane	X		X	NA	NA	ASW	
8 Chloroethane	X		X	NA	NA	ASW	
9 2-Chloroethyl vinyl Ether	X		X	NA	NA	ASW	
10 Chloroform	X		X	NA	NA	ASW	
11 Dichlorobro momethane	X		X	NA	NA	ASW	
12 1,1-Dichloro ethane	X		X	NA	NA	ASW	
13 1,2-Dichloro ethane	X		X	NA	NA	ASW	
14 1,1-Dichloro ethylene	X		X	NA	NA	ASW	
15 1,2-Dichloro propane	X		X	NA	NA	ASW	
16 1,2-Dichloro propylene	X		X	NA	NA	ASW	
17 Ethylbenzene	X		X	NA	NA	ASW	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results*	Numbe of Analys
18 Methyl Bromide	X		X	NA	NA	ASW	
19 Methyl Chloride	X		X	NA	NA	ASW	
20 Methylene Chloride	X		X	NA	NA	ASW	
21 1,1,2,2,-Tetra chloroethane	X		X	NA	NA	ASW	
22 Tetrachloro ethylene	X		X	NA	NA	ASW	
23 Toluene	X		X	NA	NA	ASW	
24 1,2-Trans-Dichloroethylene	X		X	NA	NA	ASW	
25 1,1,1-Tri chloroethane	X		X	NA	NA	ASW	
26 1,1,2-Tri chloroethane	X		X	NA	NA	ASW	
27 Trichlor oethylene	X		X	NA	NA	ASW	
28 Vinyl Chloride	X		X	NA	NA	ASW	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol	X		X	NA	NA	ASW	
2 2,4-Dichloro phenol	X		X	NA	NA,	ASW	
3 2,4-Dimethyl phenol	X		X	NA	NA	ASW	
4 4,6-Dinitro -O-Cresol	X		X	NA	NA	ASW	
5 2,4-Dinitro -phenol	X		X	NA	NA	ASW	
6 2-Nitrophenol	X		X	NA	NA	ASW	
7 4-Nitrophenol	X		X	NA	NA	ASW	
8 P-Chloro-M -Cresol	X		X	NA	NA	ASW	
9 Pentachloro -phenol	X		X	NA	NA	ASW	
10 Phenol	X		X	NA	NA	ASW	
11 2,4,6-Trichloro phenol	X		X	NA	NA	ASW	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum r
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(cX20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
15 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected - Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu
required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum res
required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(l) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide		X	NA	NA	NA	
2 Chlorine, Total Resideal		X	NA	NA	NA	
3 Color		X	NA	NA	NA	
4 Fecal Coliform		X	NA	NA	NA	
5 Fluoride		X	NA	NA	NA	
6 Nitrate-Nitrite		X	NA	NA	NA	
7 Nitrogen, Total Organic		X	NA	NA	NA	
8 Radioactivity		X				
1 Alpha, Total (pCi/l)		X	NA	NA	NA	
2 Beta, Total (pCi/l)		X	NA	NA	NA	
3 Radium, Total (pCi/l)		X	NA	NA	NA	
4 Radium 226, Total (pCi/l)		X	NA	NA	NA	
9 Sulfate		X	NA	NA	NA	
10 Sulfide		X	NA	NA	NA	
11 Sulfite		X	NA	NA	NA	
12 Surfactants		X	NA	NA	ND	1
Sodium	X		NA	NA	9.0	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/1) Average Monthly Concentration*	4(mg/1) Maximum Daily Concentration*	5 (mg/1) Daily Composite Results*	Number of Analyses
13 Aluminum, Total		X	NA	NA	NA	
14 Barium, Total		X	NA	NA	NA	
15 Boron, Total		X	NA	NA	NA	
16 Cobalt, Total		X	NA	NA	NA	
17 Iron, Total		X	NA	NA	NA	
18 Magnesium, Total		X	NA	NA	NA	
19 Molybdenum, Total		X	NA	NA	NA	
20 Manganese, Total		X	NA	NA	NA	
21 Tin, Total		X	NA	NA	NA	
22 Titanium, Total		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfurzl		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum r
required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	N A	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi metha		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA		NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophen phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(CX20) (preamble). Where grab samples are required, provide the average and maxmum resu as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed except
2	Braintree, MA		the following:
3			Total Residual Chlorine
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No X

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for **each** separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 012 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
3. Maximum Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
4. Design Flow NA gallons per (day)(minute)
5. Date Discharge Began or Will Begin _____ (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs Variable (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs Variable (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Surface water runoff.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Surface water runoff.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	012

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. DISCHARGE SUBSTANTIALLY IDENTICAL TO DSN 011.			
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 013 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
3. Maximum Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
4. Design Flow NA gallons per (day)(minute)
5. Date Discharge Began or Will Begin _____ (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs Variable (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs Variable (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Surface water runoff.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Surface water runoff.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	013

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. DISCHARGE SUBSTANTIALLY IDENTICAL TO DSN 011.			
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 014 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
3. Maximum Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
4. Design Flow NA gallons per (day)(minute)
5. Date Discharge Began or Will Begin _____ (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs Variable (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs Variable (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Surface water runoff.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Surface water runoff.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c)(14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT: WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	014

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. DISCHARGE SUBSTANTIALLY IDENTICAL TO DSN 011.			
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Utilities Service Company
Town/City of Discharge:	Waterford, CT

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 015 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
3. Maximum Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
4. Design Flow NA gallons per (day)(minute)
5. Date Discharge Began or Will Begin _____ (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs Variable (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs Variable (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Surface water runoff.

** - Existing discharge permitted under CT0003263. Flow commenced prior to issuance date of June 5, 1985.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Waterwashes, clean water drains, and surface water runoff.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(1) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	015

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. DISCHARGE SUBSTANTIALLY IDENTICAL TO DSN 011.			
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 2 DISCHARGE INFORMATION - GENERAL

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	
Town/City of Discharge:	

The following section is to be completed for each separate discharge. If more forms are needed, these forms may be reproduced.

1. Discharge Serial No. 016 (Assign numbers consecutively for each discharge from 001, 002, etc.)
2. Average Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
3. Maximum Daily Flow Variable gallons per(day) (event) (22a-430-4(c)(6))
4. Design Flow NA gallons per (day)(minute)
5. Date Discharge Began or Will Begin _____ (22a-430-4(c)(2))
6. Average number of hours per day that discharge occurs Variable (22a-430-(c)(7))
7. Maximum number of hours per day that discharge occurs Variable (22a-430-(c)(7))
8. Except for stormwater, leaks or spills, if the discharge is batch, intermittent, or seasonal, describe the nature of the discharge including duration and frequency.(22a-430-4(c)(8)).

Variable flow dependent on floor drains and surface water runoff.

9. Description of Activity or Process Producing this Discharge (Include SIC Codes). If different types of processes contribute to one discharge, each individual process type shall be so described. An identification of all types of wastes generated by each type of process shall be included. For privately owned treatment works (see definitions), this information shall include the name and location address of all users of the system. (22a-430-4(c)(4) and (6))

SIC - 4911

Unit No. 2 non-contaminated floor drains, waterwashes, clean water drains, and surface water runoff.

10. Effluent Guidelines Categories; Production Information (22a-430-4(c)(4),(14)

a. Does an effluent limitation adopted in Section 22a-430-4(l) of the Regulations of Connecticut State Agencies by reference to the Clean Water Act apply to this discharge at your facility?

Yes (Complete 10.b. and c) X No (Go to 11) _____

b. Provide the names of the categories of discharge and evidence and reasons why such categories are applicable (22a-430-4(c) (14)).

Category (Include appropriate citation to Federal and/or State Regulations)	Reasons Category is Applicable
Steam Electric Power Plant	Plant generates electricity from steam.

c. Are the limitations in the applicable effluent guidelines expressed in terms of production?

Yes (Complete 10.d.) _____ No (Go to 11) X

d. If you answered "Yes" to Item - 10.c. list the quantity which represents an actual measurement of your maximum level of production for existing discharges, and the projected production for new discharges. Express the production in the terms and units used in the applicable effluent limitation. (22a-430-4(c)(4)(A))

Applicable Effluent Guideline Category	Quantity per Day	Units of Measure	Operation, Product, Material, Etc.
N.A.			

11. For process wastewater discharges only, describe completely the types of resource conservation practices for this discharge, including the provisions for complying with Section 22a-430-3(o) of the Regulations of Connecticut State Agencies ((22a-430-4(c)(11)).

The discharge employs systems installed for minimizing pollution to the waters of the state from wastewaters produced when generating electricity from steam.

STATE OF CONNECTICUT, WATER COMPLIANCE UNIT
APPLICATION PACKAGE FORM 3 - EFFLUENT CHARACTERISTICS

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	016

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3)(mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	SAMPLING WAIVER AS REQUESTED. DISCHARGE SUBSTANTIALLY IDENTICAL TO DSN 005.			
Chemical Oxygen Demand				
Total Organic Carbon				
Oil and Grease				
Total Suspended Solids				
Ammonia (as Nitrogen)				
Phosphorus (Total)				
Maximum Temperature (Winter and Summer)				
pH (minimum and maximum)				

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resul required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

(Agency Use Only) Rev. 2 880526
Application No.
DEP/WPC No.
State Permit No.
NPDES No.

Applicant Name:	Northeast Nuclear Energy Company
Town/City of Discharge:	Waterford
Discharge Serial Number:	Intake from Long Island Sound

PART A: For all existing process wastewater discharges and NPDES permits for existing discharges of sewage from POTWs or domestic sewage from any other facility, the following information must be provided (22a-430-4(c)(20)(A)(i)):

Quantitative Data (Include Units)

GENERAL (1)	Average Monthly Concentration* (2) (mg/l)	Maximum Daily Concentration* (3) (mg/l)	Daily Composite Or Grab Sample Results* (4) (mg/l)	Number of Analysis
Biochemical Oxygen Demand (5 Day)	NA	NA	10.0	1
Chemical Oxygen Demand	NA	NA	ND	1
Total Organic Carbon	NA	NA	2.3	1
Oil and Grease	ND	ND	NA	4
Total Suspended Solids	NA	NA	12.4	1
Ammonia (as Nitrogen)	NA	NA	0.11	1
Phosphorus (Total)	NA	NA	0.04	1
Maximum Temperature (Winter and Summer)	67.4 F	73.9 F	NA	8
pH (minimum and maximum)	7.9 SU	NA	7.8-7.9 SU	8

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3 and 4.

NA - Not Applicable
ND - Below Minimum Detectable Level

PART B If you are a primary industry (listed in Appendix A of Section 22a-430-4 of the Regulations of Connecticut State Agencies) with an existing discharge of process wastewater, you are required to test for certain of the GC/MS substances as listed in Appendix B, Table 1 of Section 22a-430-4. Mark "X" in column 1 for all such substances that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If applicable where grab samples are required (see 22a-430-4(c)(20) Preamble), include the average and maximum results required by the regulations in columns 4 and 5. If you are not *required* to test for a particular substance as a result of your industry category, mark "X" in column 2 for each such substance you know or have reason to believe or can reasonably ascertain is present. Mark "X" in column 3 for each such substance you believe to be absent. *If you mark either columns 1 or 2 for any substance, you must provide quantitative data for that substance.* Include the units of measurement. See Section 22a-430-4(c)(20)(A)(ii) & (iii) for additional explanation.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
1.Antimony, Total				NA	NA	0.1	1
2.Arsenic, Total				NA	NA	ND	1
3.Beryllium, Total				NA	NA	0.001	1
4.Cadmium, Total				NA	NA	ND	1
5.Chromium, Total				NA	NA	ND	1
6.Chromium, Hexavalent				NA	NA	ND	1
7.Copper, Total				NA	NA	ND	1
8.Lead, Total				NA	NA	ND	1
9.Mercury, Total				NA	NA	ND	1
10.Nickel, Total				NA	NA	ND	1
11.Selenium, Total				NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum result required by the regulations in columns 4, 5, and 6.

TOXIC METALS, CYANIDES, PHENOLS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyse
12.Silver, Total				NA	NA	ND	1
13.Thallium, Total				NA	NA	ND	1
14.Zinc, Total				NA	NA	1.5	1
15.Cyanide, Total				ND	ND	NA	4
16.Cyanide, Amenable				ND	ND	NA	4
17.Phenols, Total				0.30	1.10	NA	4

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4(ug/1) Average Monthly Concentration*	5(ug/1) Maximum Daily Concentration*	6(ug/1) Daily Composite Results*	Numb of Analy
1 Acrolein				NA	NA	ND	1
2 Acrylonitrile				NA	NA	ND	1
3 Benzene				NA	NA	ND	1
4 Bromoform				NA	NA	ND	1
5 Carbon Tetra chloride				NA	NA	ND	1
6 Chlorobenzene				NA	NA	ND	1
7 Chlorodi bromomethane				NA	NA	ND	1
8 Chloroethane				NA	NA	ND	1
9 2-Chloroethyl vinyl Ether				NA	NA	ND	1
10 Chloroform				NA	NA	ND	1
11 Dichlorobro momethane				NA	NA	ND	1
12 1,1-Dichloro ethane				NA	NA	ND	1
13 1,2-Dichloro ethane				NA	NA	ND	1
14 1,1-Dichloro ethylene				NA	NA	ND	1
15 1,2-Dichloro propane				NA	NA	ND	1
16 1,2-Dichloro propylene				NA	NA	ND	1
17 Ethylbenzene				NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

VOLATILES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/1) Average Monthly Concentration*	5(ug/1) Maximum Daily Concentration*	6(ug/1) Daily Composite Results*	Number of Analyse
18 Methyl Bromide				NA	NA	ND	1
19 Methyl Chloride				NA	NA	ND	1
20 Methylene Chloride				NA	NA	ND	1
21 1,1,2,2,-Tetra chloroethane				NA	NA	ND	1
22 Tetrachloro ethylene				NA	NA	ND	1
23 Toluene				NA	NA	ND	1
24 1,2-Trans-Dichloroethylene				NA	NA	ND	1
25 1,1,1-Tri chloroethane				NA	NA	ND	1
26 1,1,2-Tri chloroethane				NA	NA	ND	1
27 Trichlor oethylene				NA	NA	ND	1
28 Vinyl Chloride				NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

GC/MS FRACTION ACID COMPOUNDS	1 Required by Appendix B 22A-430-4	2 Known or Suspected Present	3 Believed Absent	4 (ug/l) Average Monthly Concentration*	5(ug/l) Maximum Daily Concentration*	6(ug/l) Daily Composite Results	Numb of Analy
1 2-Chloro phenol				NA	NA	ND	1
2 2,4-Dichloro phenol				NA	NA	ND	1
3 2,4-Dimethyl phenol				NA	NA	ND	1
4 4,6-Dinitro -O-Cresol				NA	NA	ND	1
5 2,4-Dinitro -phenol				NA	NA	ND	1
6 2-Nitrophenol				NA	NA	ND	1
7 4-Nitrophenol				NA	NA	ND	1
8 P-Chloro-M -Cresol				NA	NA	ND	1
9 Pentachloro -phenol				NA	NA	ND	1
10 Phenol				NA	NA	ND	1
11 2,4,6-Trichloro phenol				NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
1 Acenaphthene			X	NA	NA	NA	
2 Acenaphty lene			X	NA	NA	NA	
3 Anthracene			X	NA	NA	NA	
4 Benzidine			X	NA	NA	NA	
5 Benzo (a) Anthracene			X	NA	NA	NA	
6 Benzo (a) Pyrene			X	NA	NA	NA	
7 3,4-Benzo-fluoranthene			X	NA	NA	NA	
8 Benzo (ghi) Perylene			X	NA	NA	NA	
9 Benzo (k) Fluoranthene			X	NA	NA	NA	
10 Bis(2-Chloro ethoxy) Methane			X	NA	NA	NA	
11 Bis(2-Chloro ethyl) Ether			X	NA	NA	NA	
12 Bis(2-Chloro isopropyl) Ether			X	NA	NA	NA	
13 Bis(2-Ethyl hexyl) Phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
14 4-Bromo phenyl phenyl ether			X	NA	NA	NA	
15 Butyl Ben zyl Phthalate			X	NA	NA	NA	
16 2-Chloro naphthalene			X	NA	NA	NA	
17 4-Chloro-phenyl phenyl Ether			X	NA	NA	NA	
18 Chrysene			X	NA	NA	NA	
19 Dibenzo (a,H) Anthracene			X	NA	NA	NA	
20 1,2-Dichloro benzene			X	NA	NA	NA	
21 1,3-Dichloro benzene			X	NA	NA	NA	
22 1,4-Dichloro benzene			X	NA	NA	NA	
23 3,3'-Dichloro benzidine			X	NA	NA	NA	
24 Diethyl phthalate			X	NA	NA	NA	
25 Dimethyl phthalate			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Number of Analyse
26 Di-n-butyl phthalate			X	NA	NA	NA	
27 2,4-Dinitro toluene			X	NA	NA	NA	
28 2,6-Dinitro toluene			X	NA	NA	NA	
29 Di-n-octyl phthalate			X	NA	NA	NA	
30 1,2-Dipheny lhydrazine (as Azo-Benzene)			X	NA	NA	NA	
31 Fluoranthene			X	NA	NA	NA	
32 Fluorene			X	NA	NA	NA	
33 Hexachlo robenzene			X	NA	NA	NA	
34 Hexachlo robutadiene			X	NA	NA	NA	
35 Hexachlo			X	NA	NA	NA	
36 Hexachlo roethane			X	NA	NA	NA	
37 Indeno (1,2,3-cd) Pyrene			X	NA	NA	NA	

*As applicable (see 22a-430-4(cX20) Preamble). Where grab samples are required, including the average and maximum resu required by the regulations in columns 4, 5 and 6.

BASE NEUTRAL COMPOUNDS	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 Average Monthly Concentration*	5 Maximum Daily Concentration*	6 Daily Composite Results*	Numb of Analy
38 Isophorone			X	NA	NA	NA	
39 Naphthalene			X	NA	NA	NA	
40 Nitrobenzene			X	NA	NA	NA	
41 N-Nitroso dimethylamine			X	NA	NA	NA	
42 N-Nitrosodi -N-Propylamine			X	NA	NA	NA	
43 N-Nitrosodi phenylamine			X	NA	NA	NA	
44 Phenanth rene			X	NA	NA	NA	
45 Pyrene			X	NA	NA	NA	
46 1,2,4 Trichlo robenzene			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum re required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/1) Average Monthly Concentration*	5 (mg/1) Maximum Daily Concentration*	6 (mg/1) Daily Composite Results*	Number of Analyses
1 Aldrin			X	NA	NA	NA	
2 Alpha - BHC			X	NA	NA	NA	
3 Beta - BHC			X	NA	NA	NA	
4 Gamma BHC			X	NA	NA	NA	
5 Delta BHC			X	NA	NA	NA	
6 Chlordane			X	NA	NA	NA	
7 4,4'-DDT			X	NA	NA	NA	
8 4,4'-DDE			X	NA	NA	NA	
9 4,4'-DDD			X	NA	NA	NA	
10 Dieldrin			X	NA	NA	NA	
11 Alpha-Endo sulfan			X	NA	NA	NA	
12 Beta-Endo sulfan			X	NA	NA	NA	
13 Endosulfan Sulfate			X	NA	NA	NA	
14 Endrin			X	NA	NA	NA	
15 Endrin Aldehyde			X	NA	NA	NA	
16 Heptachlor			X	NA	NA	NA	
17 Heptachlor Epoxide			X	NA	NA	NA	
18 PCB-1242			X	NA	NA	NA	
19 PCB-1254			X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PESTICIDES	1 Required by Appendix B 22a-430-4	2 Known or Suspected Present	3 Believed Absent	4 (mg/l) Average Monthly Concentration*	5 (mg/l) Maximum Daily Concentration*	6 (mg/l) Daily Composite Results*	Number of Analyses
20 PCB-1221			X	NA	NA	NA	NA
21 PCB-1232			X	NA	NA	NA	NA
22 PCB-1248			X	NA	NA	NA	NA
23 PCB-1260			X	NA	NA	NA	NA
24 PCB-1016			X	NA	NA	NA	NA
25 Toxaphene			X	NA	NA	NA	NA

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, including the average and maximum resul required by the regulations in columns 4, 5 and 6.

PART C - If you have an existing process wastewater discharge, mark "X" in column 1 for each substance you know or have reason to believe is present or can reasonably ascertain is present in the discharge or if an applicable effluent limitation adopted in Section 22a-430-4(1) exists for that substance which directly or, through an indicator parameter, indirectly limits the substance. Mark "X" in column 2 for each pollutant you believe to be absent. If you mark a substance as present, you must provide quantitative data for that substance. Complete one table for each discharge. Include the units of measurement.

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 (mg/l) Average Monthly Concentration*	4 (mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
1 Bromide			NA	NA	55.0	1
2 Chlorine, Total Resideal			NA	NA	NA	
3 Color			NA	NA	5	1
4 Fecal Coliform			NA	NA	NA	
5 Fluoride			NA	NA	NA	
6 Nitrate-Nitrite			NA	NA	0.07	1
7 Nitrogen, Total Organic			NA	NA	ND	1
8 Radioactivity						
1 Alpha, Total (pCi/l)			NA	NA	60+/-90	1
2 Beta, Total (pCi/l)			NA	NA	390+/-90	1
3 Radium, Total (pCi/l)			NA	NA	.2+/-.3	1
4 Radium 226, Total (pCi/l)			NA	NA	0.0+/-.3	1
9 Sulfate			NA	NA	2600	1
10 Sulfide			NA	NA	0.2	1
11 Sulfite			NA	NA	ND	1
12 Surfactants			NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

** Believed absent, therefore analysis not performed.

Intake

OTHER SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3(mg/l) Average Monthly Concentration*	4(mg/l) Maximum Daily Concentration*	5 (mg/l) Daily Composite Results*	Number of Analyses
13 Aluminum, Total			NA	NA	ND	1
14 Barium, Total			NA	NA	ND	1
15 Boron, Total			NA	NA	2.8	1
16 Cobalt, Total			NA	NA	ND	1
17 Iron, Total			NA	NA	0.2	1
18 Magnesium, Total			NA	NA	970	1
19 Molybdenum, Total			NA	NA	1.2	1
20 Manganese, Total			NA	NA	0.02	1
21 Tin, Total			NA	NA	ND	1
22 Titanium, Total			NA	NA	ND	1

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Result*	Number of Analyses
1 Asbestos		X	NA	NA	NA	
2 Acetaldehyde		X	NA	NA	NA	
3 Allyl alcohol		X	NA	NA	NA	
4 Allyl chloride Total		X	NA	NA	NA	
5 Amyl acetate		X	NA	NA	NA	
6 Aniline		X	NA	NA	NA	
7 Benzonitrile		X	NA	NA	NA	
8 Benzyl chloride		X	NA	NA	NA	
9 Butyl acetate		X	NA	NA	NA	
10 Butylamine		X	NA	NA	NA	
11 Captan		X	NA	NA	NA	
12 Carbaryl		X	NA	NA	NA	
13 Carbofuran		X	NA	NA	NA	
14 Carbon disulfide		X	NA	NA	NA	
15 Chlorpyrifos		X	NA	NA	NA	
16 Coumaphos		X	NA	NA	NA	
17 Cresol		X	NA	NA	NA	
18 Crotonaldehyde		X	NA	NA	NA	
19 Cyclohexane		X	NA	NA	NA	
20 2,4-Dichlo rophenoxy acetic acid)		X	NA	NA	NA	
21 Diazinon		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

Intake

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
22 Dicamba		X	NA	NA	NA	
23 Dichlobenil		X	NA	NA	NA	
24 Dichlone		X	NA	NA	NA	
25 2,2-Dichloropropionic acid		X	NA	NA	NA	
26 Dichlorvos		X	NA	NA	NA	
27 Diethyl amine		X	NA	NA	NA	
28 Dimethyl amine		X	NA	NA	NA	
29 Dinitrobenzene		X	NA	NA	NA	
30 Diquat		X	NA	NA	NA	
31 Disulfoton		X	NA	NA	NA	
32 Diuron		X	NA	NA	NA	
33 Epichlorohydrin		X	NA	NA	NA	
34 Ethanolamine		X	NA	NA	NA	
35 Ethion		X	NA	NA	NA	
36 Ethylene diamine		X	NA	NA	NA	
37 Ethylene dibromide		X	NA	NA	NA	
38 Formaldehyde		X	N A	NA	NA	
39 Furfural		X	NA	NA	NA	
40 Guthion		X	NA	NA	NA	
41 Isoprene		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
42 Isopropano lamine		X	NA	NA	NA	
43 Kepone		X	N A	NA	NA	
44 Malathion		X	NA	NA	NA	
45 Mercaptodi methur		X	NA	NA	NA	
46 Methoxychlor		X	NA	NA	NA	
47 Methyl mercaptan		X	NA	NA	NA	
48 Methyl metha crylate		X	NA	NA	NA	
49 Methyl parathion		X	NA	NA	NA	
50 Mevinphos		X	NA	NA	NA	
51 Mexacarbate		X	NA	NA	NA	
52 Monoethyl amine		X	NA	NA	NA	
53 Monomethyl amine		X	NA	NA	NA	
54 Naled		X	NA	NA	NA	
55 Napthenic acid		X	NA	NA	NA	
56 Nitrotoluene		X	NA	NA	NA	
57 Parathion		X	NA	NA	NA	
58 Phenolsulfanate		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Numbe of Analys
59 Phosgene		X	NA	NA	NA	
60 Propargite		X	NA	NA	NA	
61 Propylene oxide		X	NA	NA	NA	
62 Pyrethrins		X	NA	NA	NA	
63 Quinoline		X	NA	NA	NA	
64 Resorcinol		X	NA	NA	NA	
65 Strontium		X	NA	NA	NA	
66 Strychnine		X	NA	NA	NA	
67 Styrene		X	NA	NA	NA	
68 2,4,5-T (2,4,5-Trichlor ophenoxy acetic acid)		X	NA	NA	NA	
69 TDE (Tetra chlorodiphenyl ethane)		X	NA	NA	NA	
70 2,4,5-TP [2-(2,4,5-Trichloro phenoxy)propanoic acid]		X	NA	NA	NA	
71 Trichlorofan		X	NA	NA	NA	
72 Triethylamine		X	NA	NA	NA	
73 Trimethylamine		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum re required by the regulations in columns 3, 4 and 5.

OTHER TOXIC AND HAZARDOUS SUBSTANCES	1 Known or Suspected Present	2 Believed Absent	3 Average Monthly Concentration*	4 Maximum Daily Concentration*	5 Daily Composite Results*	Number of Analyses
74 Uranium		X	NA	NA	NA	
75 Vanadium		X	NA	NA	NA	
76 Vinyl acetate		X	NA	NA	NA	
77 Xylene		X	NA	NA	NA	
78 Xylenol		X	NA	NA	NA	
79 Zirconium		X	NA	NA	NA	

*As applicable (see 22a-430-4(c)(20) Preamble). Where grab samples are required, include the average and maximum resu required by the regulations in columns 3, 4, and 5.

PART D -If this outfall contains process wastewater and your facility:

(a) Uses or manufactures 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silve 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl-0-(2,4,5- trichlorophenyl phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); or

(b) you know or have reason to believe or can reasonably ascertain that 2,3,7, 8 - tetrachlorodibenzo-p-dioxin (TCDI may be present in the discharge;

then you must report quantitative data for TCDD using a screening procedure not calibrated with analytic standards.

Uses or Manufactures one of the above substances?	1 Known or Suspected Present	2 Believed Absent	3 Monthly Concentration*	4 Average Daily Concentration*	5 Maximum Composite Results*	6 Daily Numb of Analyses
1 N.A.						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

*As applicable (see 22A-430-4-(C)(20) (preamble). Where grab samples are required, provide the average and maximum resul as required by the regulations in columns 4 and 5.

PART E - Contract Laboratory Identification

Were any of the analyses reported in Form 3 performed by a contract laboratory or consulting firm?

__X__ Yes _____ No

If yes then list the name, address, and telephone number of, and substances analyzed by, each such laboratory or firm belo

If No then go to Part F

Name	Address	Telephone (Area Code & No.)	Substances Analyzed (List)
1 Clean Harbors	325 Wood Road	(617) 849-6070	All substances analyzed
2	Braintree, MA		
3			
4			
5			
6			
7			
8			
9			
10			

PART F - Biological Toxicity Testing Data (22a-430-4(c)(24))

Do you know or have reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Identify the tests and provide a summary of the results below.
Yes _____ No __X__

SUMMARY OF RESULTS

ACUTE	CHRONIC	SUMMARY OR RESULTS

PART G - Include as Attachment #6 to this application, a Discharge Toxicity Evaluation as required by Section 22a-430-4(c)(21).

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