
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE

SCHILLER STATION

NPDES PERMIT NO. NH0001473

PORTSMOUTH, NH

NPDES REAPPLICATION

UPDATE TO RENEWAL APPLICATION
ORIGINALLY SUBMITTED ON JUNE 1, 1995

SEPTEMBER 2010



**Public Service
of New Hampshire**

The Northeast Utilities System

The Northeast Utilities System
P.O. Box 270
Hartford, CT 06141

Public Service of New Hampshire
P.O. Box 330
Manchester, NH 03105



**Public Service
of New Hampshire**

9/14/10
renewal

PSNH Energy Park
780 North Commercial Street, Manchester, NH 03101

Public Service Company of New Hampshire
P.O. Box 330
Manchester, NH 03105-0330
(603) 634-2236
Fax (603) 634-2213
macdojm@psnh.com

By Overnight Mail

September 13, 2010

The Northeast Utilities System

D29451

John M. MacDonald
Vice President - Generation

Ms. Shelley Puleo, Environmental Protection Specialist
U.S. Environmental Protection Agency
Region 1: New England
Office of Ecosystem Protection
Municipal Assistance Unit
5 Post Office Square - Suite 100
Mail Code: OEP06-3
Boston, MA 02109-3912

**Re: Public Service Company of New Hampshire
Schiller Station, Portsmouth, New Hampshire
NPDES Application No. NH0001473
Response to Information Request in Support of NPDES Permit Reissuance**

Dear Ms. Puleo:

On June 1, 1995, Public Service Company of New Hampshire (PSNH) submitted a timely and complete application to reissue NPDES Permit No. NH0001473 for Schiller Station in Portsmouth, New Hampshire. In a Clean Water Act Section 308(a) Letter dated May 4, 2010, the United States Environmental Protection Agency (EPA) requested that "Schiller submit a complete updated application that accurately describes its current operation(s)." PSNH is providing herein the updated application for permit renewal.

In requesting the update, EPA cited a number of modifications that have occurred at Schiller Station since the existing permit was reissued, including all of the following:

- Unit 3 was decommissioned.
- The Unit 4 cooling water intake structure was improved and maintenance procedures enacted to reduce impingement.
- On the advice of the agencies, the discharge from the primary wastewater treatment facility (Outfalls 016/17) was repiped to the non-contact cooling water systems (Outfalls 002, 003 and 004).
- Dust suppressant systems were tested in coal handling.
- The Unit 5 boiler was replaced with a fluidized bed boiler that allows the station to burn wood chips, a renewable energy resource.
- The wastewater treatment basin was replaced with a larger, more functional basin.

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)																			
A. FIRST										B. SECOND									
C	7	4	9	1	1	(specify)	ELECTRIC POWER GENERATION					C	7				(specify)		
15	16	17	18	19			15	16	17	18	19		15	16	17	18	19		
C. THIRD										D. FOURTH									
C	7					(specify)	C	7				(specify)							
15	16	17	18	19			15	16	17	18	19		15	16	17	18	19		
VIII. OPERATOR INFORMATION																			
A. NAME													B. Is the name listed in Item VIII-A also the owner?						
C	8	PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE												☒ YES ☐ NO					
15	16													55 56					
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box: if "Other," specify.)													D. PHONE (area code & no.)						
F = FEDERAL			M = PUBLIC (other than federal or state)			P = PRIVATE			P			(specify)			A (603) 669-4000				
									56						15 16 17 18 19 20 21 22 23 24				
E. STREET OR P.O. BOX																			
PO BOX 330																			
20 55																			
F. CITY OR TOWN										G. STATE	H. ZIP CODE	IX. INDIAN LAND							
C	B	MANCHESTER								NH	03105	Is the facility located on Indian lands?							
15	16									40 41	42 43	51 52							
☐ YES ☒ NO																			
X. EXISTING ENVIRONMENTAL PERMITS																			
A. NPDES (Discharges to Surface Water)										D. PSD (Air Emissions from Proposed Sources)									
C	9	N	NH0001473							C	9	P							
15	16	17	18	19	20	21	22	23	24	30	15	16	17	18	30				
B. UIC (Underground Injection of Fluids)										E. OTHER (specify)									
C	9	U								C	9		TV-CP-053						
15	16	17	18	19	20	21	22	23	24	30	15	16	17	18	30				
C. RCRA (Hazardous Wastes)										E. OTHER (specify)									
C	9	R	NHD000842666							C	9		TP-B-0501						
15	16	17	18	19	20	21	22	23	24	30	15	16	17	18	30				
XI. MAP																			
Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements.																			
XII. NATURE OF BUSINESS (provide a brief description)																			
Schiller Station is a four-unit, 163 MW steam electric generating facility. The three main generators are designated as Units 4, 5, and 6; all rated at 48 MW each. Units 4 and 6 are equipped with dual fuel boilers capable of firing both pulverized bituminous coal and #6 fuel oil. Unit 5 was converted to a dual fuel fluidized bed boiler that is capable of burning both wood and coal, with wood being its primary fuel. The remaining unit, designated CT-1, is a 19 MW combustion turbine fired with #1 fuel oil that is typically operated during periods of highest seasonal peak demand. Schiller Station is a base load plant and generates upwards of 1 million MWhrs annually, with a third of the power being provided by a renewable energy resource. Schiller Station produces enough energy to supply 65,000 New Hampshire homes. Schiller Station is part of the Northeast Utilities System.																			
XIII. CERTIFICATION (see instructions)																			
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.																			
A. NAME & OFFICIAL TITLE (type or print)										B. SIGNATURE					C. DATE SIGNED				
John M. MacDonald Vice President - Generation															9/13/2010				
COMMENTS FOR OFFICIAL USE ONLY																			
C																			
15	16																		

Additionally, as part of the Unit 5 conversion, the secondary coal storage yard was replaced with a wood chip storage facility and an air pollution control baghouse was installed.

In the 308(a) Letter, EPA emphasized that PSNH was to provide a number of details regarding changes in operations due to the addition of the fluidized bed boiler. PSNH has updated all of the forms, descriptions and plans in the enclosed application to best reflect conditions as they now exist. While the wood conversion was a substantial project, the application illustrates that the changes to the wastewater management systems were only cosmetic in nature. The new boiler condensate is chemically managed in the same manner and the water discharges are collected and treated in the same fashion. The quality and quantity of the wastestreams and the management of station wastewater are substantially similar. As such, no new analytical data was required to update the application.

The cover letter to the 1995 application is also enclosed as it provides a description of the sampling and analytical protocol that was followed as well as the application format. While PSNH does request some minor changes to the draft permit, the upgrades made to the station in recent years do not require significant modifications to the limitations or conditions. This conclusion is supported by the NH Department of Environmental Services and the EPA as neither agency recommended a permit modification at the time PSNH proposed the improvements.

PSNH looks forward to working with EPA on the development of a draft permit. Please contact Allan Palmer, Senior Engineer, at (603) 634-2439, if you have any questions or would like to discuss the application further.

Very truly yours,



John M. MacDonald
Vice President - Generation

Enclosure: Updated NPDES Application

cc: Harry T. Stewart, P.E., Director
NH Department of Environmental Services
Water Division

Linda T. Landis
Senior Counsel, PSNH



June 1, 1995

D08789

Ms. Veronica C. Harrington, Chief
NPDES Program Operations Section
U. S. Environmental Protection Agency
Region I
J. F. Kennedy Federal Building
Boston, MA 02203-2211

- References:
1. NPDES Permit No. NH0001473, Schiller Station, Public Service Company of New Hampshire, issued September 11, 1990, and modified May 31, 1991, and January 24, 1995.
 2. Letter, V. C. Harrington to A. G. Palmer dated January 24, 1995.
 3. Letter, J. A. Parent to A. G. Palmer, dated January 24, 1995.

Dear Ms. Harrington:

Schiller Station
NPDES Permit Renewal Application

Public Service Company of New Hampshire (PSNH), pursuant to Section 42 of the Clean Water Act hereby submits to the U. S. Environmental Protection Agency (EPA) a completed application for renewal of NPDES Permit No. NH0001473 (see Reference 1). Effluent sampling was conducted on April 26 and 27 and as agreed to by Dr. Nicholas W. Prodany of EPA, Mr. Allan G. Palmer of PSNH and Mr. Jacques A. Parent of the Department of Environmental Services (DES) during a meeting at Schiller Station on April 12, 1995. Samples were collected and preserved as specified by the Form 2C instructions and by EPA's SW-846 Manual. Laboratory analyses were performed in accordance with 40 CFR Part 136.

Schiller Station began operation in the 1940s and has experienced considerable modifications over its lifetime, including a coal re-conversion in the mid-80s that added a new wastewater treatment plant. Over the past several years PSNH has worked to improve water management systems to reduce usage, consolidate wastestreams and eliminate outfalls. Many of the discharge pipes now only serve emergency backup purposes such as during equipment outages.

In addition to the usual discharge descriptions listed on Form 2C and displayed on the water balance diagram, a brief narrative is given prior to the Item V data for each outfall. This information is supplied to further describe the wastestream, identify sampling techniques, request specific permit conditions, etc., as discussed during the joint April 12, 1995 meeting. Additional site drawings are also enclosed to supplement the topographic map and locate outfalls.

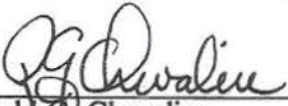
Ms. Veronica C. Harrington
D08789/Page 2
June 1, 1995

A complete stormwater application has previously been submitted for Schiller Station and will be included as part of the NPDES permit reapplication process (see Reference 2). Our preference is to combine both applications into one comprehensive permit as has been successfully done at our two other fossil fired power stations. PSNH is also required to submit information to DES pursuant to New Hampshire RSA 485-A:13 and Env-Ws 403 (Reference 3). The appropriate checklists and drawings are enclosed.

Should you have any questions, please call Mr. Allan Palmer, PSNH Fossil Hydro Engineering and Operations, at (603)634-2439.

Very truly yours,

PUBLIC SERVICE OF NEW HAMPSHIRE



Ronald G. Chevalier
Vice President

cc: New Hampshire Department of Environmental Services
Water Quality/Permits & Compliance Bureau
64 N. Main Street
Concord, NH 03302



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I

JOHN F. KENNEDY FEDERAL BUILDING
BOSTON, MASSACHUSETTS 02203-0001

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

July 10, 1995

Mr. Ronald G. Chevalier
Vice President
Public Service of New Hampshire
Gosling Road
Portsmouth, NH 03801

RECEIVED

JUL 18 1995

R.G.C.

Re: NPDES Reapplication No. NH0001473 (Schiller Station)

Dear Mr. Chevalier:

Your reapplication for a National Pollutant Discharge Elimination System (NPDES) permit has been reviewed and appears to be complete. You may be contacted for additional information as the permit is developed, should it be necessary to clarify, modify or supplement any previously submitted information. By copy of this letter, your State Water Pollution Control Agency is being furnished a copy of your complete application for certification pursuant to Section 401(a)(1) of the Clean Water Act, as amended, 33 U.S.C. §1341(a)(1).

A draft permit and statement of basis or fact sheet will be prepared by this office and forwarded to you for comment prior to the opening of the public comment period. The draft permit will then be publicly noticed and forwarded for state certification if certification has not previously been received on the application. If it is deemed necessary, a public hearing will be held, in which case, the comment period will be extended until the close of the hearing. After the close of the public comment period, your final permit will be issued providing no new substantial questions are raised. If new questions develop during the comment period, it may be necessary to draft a new permit, revise the statement of basis or fact sheet and/or reopen the public comment period.

The conditions of your present permit will continue in force until your new permit is issued and becomes effective since you have filed a timely and complete application. 40 C.F.R. §122.6, 48 Fed. Reg. 14158 (April 1, 1983).

RECEIVED AGP

JUL 17 1995

PRODUCTION DIV.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 75% recycled fiber

Should you have any questions concerning the permit issuance process, do not hesitate to contact Shelley Puleo of my staff. She may be reached at 617/565-3528.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Shelley Puleo for".

Veronica C. Harrington, Chief
NPDES Program Operations Section

cc: NH DES

FORM 1 GENERAL	U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION <i>Consolidated Permits Program</i> <i>(Read the "General Instructions" before starting.)</i>	I. EPA I.D. NUMBER S F T/A C D																																																						
LABEL ITEMS I. EPA I.D. NUMBER III. FACILITY NAME V. FACILITY MAILING ADDRESS VI. FACILITY LOCATION NHD000842666 Schiller Station Public Service Company of New Hampshire 780 North Commercial Street Manchester, NH 03101 Attn: John M. MacDonald, Vice President Gosling Road, Portsmouth, NH 03801		GENERAL INSTRUCTIONS If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.																																																						
II. POLLUTANT CHARACTERISTICS																																																								
INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms .																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">SPECIFIC QUESTIONS</th> <th colspan="3">Mark "X"</th> <th rowspan="2">SPECIFIC QUESTIONS</th> <th colspan="3">Mark "X"</th> </tr> <tr> <th>YES</th> <th>NO</th> <th>FORM ATTACHED</th> <th>YES</th> <th>NO</th> <th>FORM ATTACHED</th> </tr> </thead> <tbody> <tr> <td>A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)</td> <td></td> <td style="text-align: center;">X</td> <td></td> <td>B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)</td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)</td> <td style="text-align: center;">X</td> <td></td> <td style="text-align: center;">X</td> <td>D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)</td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)</td> <td style="text-align: center;">X</td> <td></td> <td></td> <td>F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)</td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)</td> <td></td> <td style="text-align: center;">X</td> <td></td> <td>H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)</td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)</td> <td></td> <td style="text-align: center;">X</td> <td></td> <td>J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)</td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> </tbody> </table>			SPECIFIC QUESTIONS	Mark "X"			SPECIFIC QUESTIONS	Mark "X"			YES	NO	FORM ATTACHED	YES	NO	FORM ATTACHED	A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S. ? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S. ? (FORM 2B)		X		C. 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III. NAME OF FACILITY C 1 SKIP SCHILLER STATION																																																								
IV. FACILITY CONTACT A. NAME & TITLE (last, first, & title) C 2 PALMER ALLAN SENIOR ENGINEER B. PHONE (area code & no.) (603) 634-2439																																																								
V. FACILITY MAILING ADDRESS A. STREET OR P.O. BOX C 3 PO BOX 330 B. CITY OR TOWN C 4 MANCHESTER																																																								
C. STATE NH D. ZIP CODE 03105																																																								
VI. FACILITY LOCATION A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER C 5 400 GOSLING ROAD B. COUNTY NAME ROCKINGHAM																																																								
C. CITY OR TOWN C 6 PORTSMOUTH D. STATE NH E. ZIP CODE 03801 F. COUNTY CODE (if known) 																																																								

EPA I.D. NUMBER (copy from Item 1 of Form 1)

NHD 000 842 666

Form Approved.
OMB No. 2040-0086.
Approval expires 3-31-98.

Please print or type in the unshaded areas only.

FORM
2C
NPDESU.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001, 002, 006	43.00	6.00	0.00	-70.00	47.00	0.00	Piscataqua Estuary
015, 020, 021	43.00	6.00	0.00	-70.00	47.00	0.00	Piscataqua Estuary
022	43.00	6.00	0.00	-70.00	47.00	0.00	Piscataqua Estuary
003, 004, 011	43.00	5.00	45.00	-70.00	47.00	0.00	Piscataqua Estuary
013, 018	43.00	5.00	45.00	-70.00	47.00	0.00	Piscataqua Estuary

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Non-Contact Cooling Water	3 MGD	Discharge to Surface Water	4-A	
	Roof and Yard Drains	1075 GPD	Chlorination	XX	
002	U4 Non-Contact Cooling Water	50 MGD	Discharge to Surface Water	4-A	
	Hotwell Drains	1370 GPD	Chlorination	XX	
003	U5 Non-Contact Cooling Water	50 GPD	Discharge to Surface Water	4-A	
	Hotwell Drains	1370 GPD	Chlorination	XX	
004	U6 Non-Contact Cooling Water	50 GPD	Discharge to Surface Water	4-A	
	Hotwell Drains	1370 GPD	Chlorination	XX	
006	Roof Drains	1850 GPD	Discharge to Surface Water	4-A	
	Emergency Condensate Overboards	100 GPD			
011	Schiller Station Tank Farm				
	-Stormwater Runoff	11535 GPD	6M Gal Holding Pond	1-U	4-A
	-Heater Drains	3505 GPD	Indefinite Holding Time		

OFFICIAL USE ONLY (effluent guidelines sub-categories)

Please print or type in the unshaded areas only.

FORM
2C
NPDESU.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
016/017 can							
discharge to							
either 002,	43.00	6.00	0.00	-70.00	47.00	0.00	Piscataqua Estuary
003 or 004	43.00	5.00	45.00	-70.00	47.00	0.00	Piscataqua Estuary

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
013	Coal Pile Runoff Basin	--	324,000 Gal Settling Pond	1-U	4-A
	Emergency Overflow		Discharges via Outfall 18		
015	Waste Treatment Plant #1		15,000 Gal Neutralizer	1-O	2-K
	Emergency Outfall Only		Approx. 24-Hour Holding Time	1-M	4-A
	-Roof and Yard Drains	360 GPD	52 GPM Oil Separator	5-O	XX
	-Equipment/Floor Drains	15000 GPD			
	-Heater Drains	11000 GPD			
	-Demineralization Regens	10000 GPD			
	-Chemical Area Drains	500 GPD			
016	Waste Treatment Plant #2		375,000 Gal Settling Basin	1-G	1-M
	-Waste Treatment Plant #1	36860 GPD	65,000 Gal #7 Pit	1-O	1-U
	-Boiler Blowdown/Drains	8000 GPD	50,000 Gal Rental Tanks	2-B	2-C
	-Gas Side Metal Cleanings (GSMC)	60 GPD	324,000 Gal Settling Pond	2-D	2-K
	-Coal Pile Runoff	7715 GPD	179,500 Gal Settling Pond	2-L	4-A
	-Ash Silo Yard Drains	300 GPD	Holding Time is Indefinite	5-C	5-L
	-Equipment Drains	100 GPD	1000 Gal pH Adjustment/Oxidation Tank	5-N	5-O
	-US Equipment/Floor Drains	7500 GPD	100 GPM Parallel Plate Gravity Settler		
017	Waste Treatment Plant #2		2000 Gal Neutralization Tank		
	-Water Side Metal Cleaning (WSMC)	90 GPD	70 GPM Belt Filter Press		
			15000 Gal Sludge Pump		
			Thermal Treatment of WSMC is an option		

OFFICIAL USE ONLY (effluent guidelines sub-categories)

EPA I.D. NUMBER (copy from Item 1 of Form 1)

NHD 000 842 666

Form Approved.
OMB No. 2040-0086.
Approval expires 3-31-98.

Please print or type in the unshaded areas only.

FORM
2C
NPDESU.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
018	Newington Station Tank Farm		13.3 M Gal Holding Pond		
	-Stormwater Runoff	16140 GPD	Indefinite Holding Time	1-U	1-M
	-Heater Drains	6510 GPD	250 GPM Oil Separator	4-A	XX
	-Wood Chip Storage Yard	10615 GPD		5-O	
	-Schiller Yard Drains	11835 GPD			
	-Roof Drains	1400 GPD			
020 021 022	Cooling Water Intake Screenhouses		Discharge to Surface Water	4-A	
	-Inlet Screen Washwater	108000 GPD			
	-CWIS #2 Floor Sump				
	-Steam Drips				
	-Stormwater Runoff & Roof Drains				
	-Screenwell/Inlet Tunnel Drains				
	-Fire Pump Tests	1000 GPD			
001 to 022			Solid wastes are burned on-site, beneficially		
			reused or disposed off-site at properly		
			permitted facilities.		

OFFICIAL USE ONLY (effluent guidelines sub-categories)

CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☒ YES (complete the following table)☐ NO (go to Section III)

1. OUTFALL NUMBER <i>(list)</i>	2. OPERATION(s) CONTRIBUTING FLOW <i>(list)</i>	3. FREQUENCY		4. FLOW					
		a. DAYS PER WEEK <i>(specify average)</i>	b. MONTHS PER YEAR <i>(specify average)</i>	a. FLOW RATE <i>(in mgd)</i>		B. TOTAL VOLUME <i>(specify with units)</i>		C. DURATION <i>(in days)</i>	
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY		
001 006 015 017 020-022	Non-Contact Cooling Water Boiler Condensate WTP #1 Effluent Waterside Metal Cleaning Wastes Inlet Screenhouse Operations Please refer to Attachment #2 for brief descriptions of the flows relative to these rarely activated outfalls. Outfalls 020-022 refer to screenhouse (CWIS) washes that are operated on a daily basis. Other discharges relative to CWIS activities are incidental and less defined.								

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☒ YES (complete Item III-B)☐ NO (go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)?

☐ YES (complete Item III-C)☒ NO (go to Section IV)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operations of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

☐ YES (complete the following table)☒ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

☐ MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.
NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
Vanadium	Low concentrations of vanadium oxides may be present in fossil fuels.		

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ YES (list all such pollutants below)

☒ NO (go to Item VI-B)

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or 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?

☐ YES (identify the test(s) and describe their purposes below)

☒ NO (go to Section VIII)

VIII. CONTRACT ANALYSIS INFORMATION

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

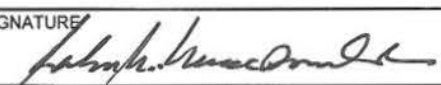
☒ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
Resource Laboratories, LLC	124 Heritage Avenue #10 Portsmouth, NH 03801	603-436-2001	All pollutants except pH, temperature, total residual chlorine and the following:
Omega Laboratory	P.O. Box 632 Dover, NH 03821	603-749-1561	BOD, fecal coliform, total phosphorus and surfactants

IX. 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 submitted 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.

A. NAME & OFFICIAL TITLE (type or print) John M. MacDonald, Vice President - Generation	B. PHONE NO. (area code & no.) (603) 634-2236
C. SIGNATURE 	D. DATE SIGNED 9/13/2010

Attachment #1

V. Effluent Characteristics

This purpose of this attachment is to provide a summary of the sampling program and analytical reporting that was conducted for individual outfall effluent characterization. The protocol was agreed to by EPA, DES and PSNH at the April 12, 1995 meeting.

Outfall

Sampling/Analytical Reporting

001	Most of the data is from Outfall 004 which, with the exception of flow, is substantially identical.
002	Substantially identical to 004.
003	Substantially identical to 004.
004	Twenty-four hour sampling period at Unit 6 discharge weir.
006	Twenty-four hour sampling period at Unit 6 continuous boiler blowdown station.
011	Two hour sampling period that composited 2 of the 3 stormwater discharge pipes.
013	No available data due to the unpredictable and infrequent use of the outfall.
015	Sampling requirement was waived due to the infrequent use.
016	Twenty-four hour sampling period at wastewater treatment plant neutralizer outlet.
017	No available data because boiler chemical cleanings have not been discharged in recent years.
018	Most of the data is from Outfall 011 which is substantially identical.
020/021/022	The data is from Outfall 004 which, with the exception of flow, is substantially identical.

NOTE: "Color" was accidentally omitted from the analytical protocol. Subsequent sampling can be conducted if requested.

Attachment #2

The purpose of this attachment is to provide a brief narrative of each outfall and monitoring location. This information is to clearly identify the wastestreams, processes, permit conditions, sampling issues, etc.

Outfalls 001 and 015

When active, both of these outfalls discharge via the Unit #3 (retired) once through cooling water discharge weir:

Outfall 001 consists predominantly of non-contact cooling water that is supplied from one of the three operating unit intakes. It is rarely active since the piping is usually valved to return the water to one of the operating cooling water systems. The water cools miscellaneous plant equipment such as the influent to the oil/water separator and air compressors. A small portion of the station roof drains and a yard drain also tie into the discharge. While the water may occasionally be treated with sodium hypochlorite, the concentrations are regulated by effluent limitations assigned to Units 4, 5 and 6. The maximum daily mass value reported for total residual chlorine (0.4 pounds) represents a maximum concentration of 0.2 mg/l for a two hour chlorination cycle. Ferrous sulfate is no longer used. The temperature rise is less than 5°F. Monitoring for all pollutants is performed at the discharge weir. When available, flow is calculated from a ruler measurement taken at the overflow of the weir outfall. PSNH requests that monitoring be reduced to quarterly oil and grease and flow sampling only.

Outfall 015 is treated effluent from Wastewater Treatment Plant #1 which is only operated during essential maintenance of Wastewater Treatment Plant #2. Samples are collected at the discharge from the neutralization tank. The outfall has not been necessary for the last several years. PSNH requests no changes to the existing monitoring requirements and permit conditions.

PLEASE PRINT C TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

NHD 000 842666

Form Approved.
OMB No. 2040-0086
Approval expires 7-31-88

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO.
001

PART A: You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	7	175					1	MG/L	LBS	X		
b. Chemical Oxygen Demand (COD)	370	4.63					1	MG/L	TON	X		
c. Total Organic Carbon (TOC)	< 5	< 125					1	MG/L	LBS	X		
d. Total Suspended Solids (TSS)	< 10	< 250					1	MG/L	LBS	X		
e. Ammonia (as N)	< 0.1	< 2.5					1	MG/L	LBS	X		
f. Flow	VALUE 3.0		VALUE 2.1		VALUE 1.1		28	MGD	—	VALUE		
g. Temperature (winter)	VALUE 16		VALUE 16		VALUE 16		0	°C		VALUE		
h. Temperature (summer)	VALUE 24		VALUE 24		VALUE 24		0	°C		VALUE		
i. pH	MINIMUM 7.8	MAXIMUM 7.8	MINIMUM 7.8	MAXIMUM 7.8			1	STANDARD UNITS				

PART B: Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		< 2	< 50					1	MG/L		X		
b. Chlorine Total Residual	X		0.2	0.4	0.2	0.3			780	MG/L	LBS	X		
c. Color	X			—						UNITS	—	X		
d. Fecal Coliform	X		< 1	—					1	CFU /100ML	—	X		
e. Fluoride (16984-48-8)	X		0.44	11					1	MG/L		X		
f. Nitrate— Nitrite (as N)	X		< 0.1	< 2.5					1	MG/L		X		

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)		2. RECEIVED PRE-SENT		3. EFFLUENT				4. UNITS		5. INTAKE (optional)							
		B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANALYSES		B. CONCENTRATION		D. MASS		B. LONG TERM AVERAGE VALUE		D. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			(1) CONCENTRATION	(2) MASS				
g. Nitrogen, Total Organic (as N)	X			<0.5	<12					1	MG/L	LBS	X				
h. Oil and Grease	X			16.0	400	<5	<88	<5	<46	37	MG/L	LBS					
i. Phosphorus (as P), Total (7723-14-0)	X			0.015						1	MG/L	LBS	X				
J. Radioactivity																	
(1) Alpha, Total		X															
(2) Beta, Total		X															
(3) Radium, Total		X															
(4) Radium 226, Total		X															
k. Sulfate (as SO ₄) (14806-79-8)	X			580	7.2					1	MG/L	TON	X				
l. Sulfide (as S)	X			<1	<25					1	MG/L	LBS	X				
m. Sulfite (as SO ₃) (14266-46-3)	X			<0.2	<5					1	MG/L	LBS	X				
n. Surfactants	X			<0.02	<0.5					1	MG/L	LBS	X				
o. Aluminum, Total (7429-90-5)	X			<0.3	<7.5					1	MG/L	LBS	X				
p. Barium, Total (7440-39-3)	X			<0.4	<10					1	MG/L	LBS	X				
q. Boron, Total (7440-42-8)	X			3.38	84.6					1	MG/L	LBS	X				
r. Cobalt, Total (7440-48-4)	X			<0.02	<0.5					1	MG/L	LBS	X				
s. Iron, Total (7439-89-6)	X			<0.02	<0.5					1	MG/L	LBS	X				
t. Magnesium, Total (7439-96-4)	X			1200	15.0					1	MG/L	TON	X				
u. Molybdenum, Total (7439-98-7)	X			<0.08	<2.0					1	MG/L	LBS	X				
v. Manganese, Total (7439-96-6)	X			0.07	1.8					1	MG/L	LBS	X				
w. Tin, Total (7440-31-5)	X			<0.04	<1.0					1	MG/L	LBS	X				
x. Titanium, Total (7440-32-6)	X			<0.2	<5					1	MG/L	LBS	X				

NHD000842666

001

Form Approved.
OMB No. 2040-0086
Approval expires 7-31-88

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4,6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	e. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
METALS, CYANIDE, AND TOTAL PHENOLS																
1M. Antimony, Total (7440-36-0)	X			<0.02	<0.5					1	MG/L	LBS				
2M. Arsenic, Total (7440-38-2)	X			<0.004	<0.10					1	MG/L	LBS				
3M. Beryllium, Total (7440-41-7)	X			<0.005	<0.125					1	MG/L	LBS				
4M. Cadmium, Total (7440-43-9)	X			<0.005	<0.125					1	MG/L	LBS				
5M. Chromium, Total (7440-47-3)	X			<0.04	<1.0					1	MG/L	LBS				
6M. Copper, Total (7440-50-8)	X			0.083	2.08					1	MG/L	LBS	X			
7M. Lead, Total (7439-92-1)	X			<0.01	<0.25					1	MG/L	LBS				
8M. Mercury, Total (7439-97-6)	X			0.0006	0.0150					1	MG/L	LBS	X			
9M. Nickel, Total (7440-02-0)	X			<0.01	<0.25					1	MG/L	LBS				
10M. Selenium, Total (7782-49-2)	X			0.2	5.0					1	MG/L	LBS	X			
11M. Silver, Total (7440-22-4)	X			<0.004	<0.10					1	MG/L	LBS				
12M. Thallium, Total (7440-28-0)	X			<0.04	<1.0					1	MG/L	LBS				
13M. Zinc, Total (7440-66-6)	X			<0.006	<0.15					1	MG/L	LBS				
14M. Cyanide, Total (57-12-5)	X			<0.01	<0.25					1	MG/L	LBS				
15M. Phenols, Total	X			<0.05	<1.25					1	MG/L	LBS				

DIOXIN

2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)

DESCRIBE RESULTS

X

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT				4. UNITS			5. INTAKE (optional)				
	TESTING REQUIRED	DE-CEIVED PRESENT	DE-CEIVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. ANALYSE
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			<10	<0.25					1	UG/L	LBS			
2V. Acrylonitrile (107-13-1)	X			<10	<0.25					1	UG/L	LBS			
3V. Benzene (71-43-2)	X			<5	<0.1					1	UG/L	LBS			
4V. Bis (Chloromethyl) Ether (542-88-1)	TESTING NOT REQUIRED														
5V. Bromoform (75-25-2)	X			<5	<0.1					1	UG/L	LBS			
6V. Carbon Tetrachloride (56-23-5)	X			<5						1	UG/L	LBS			
7V. Chlorobenzene (108-90-7)	X			<5						1	UG/L	LBS			
8V. Chlorodibromomethane (124-48-1)	X			<5						1	UG/L	LBS			
9V. Chloroethane (75-00-3)	X			<5						1	UG/L	LBS			
10V. 2-Chloroethylvinyl Ether (110-75-8)	X			<5						1	UG/L	LBS			
11V. Chloroform (67-66-3)	X			<5						1	UG/L	LBS			
12V. Dichlorodibromomethane (75-27-4)	X			<5	↓					1	UG/L	LBS			
13V. Dichlorodifluoromethane (75-71-8)	TESTING NOT REQUIRED														
14V. 1,1-Dichloroethane (75-34-3)	X			<5	<0.1					1	UG/L	LBS			
15V. 1,2-Dichloroethane (107-06-2)	X			<5						1	UG/L	LBS			
16V. 1,1-Dichloroethylene (75-35-4)	X			<5						1	UG/L	LBS			
17V. 1,2-Dichloropropane (78-87-5)	X			<5						1	UG/L	LBS			
18V. 1,3-Dichloropropylene (542-75-6)	X			<5						1	UG/L	LBS			
19V. Ethylbenzene (100-41-4)	X			<5						1	UG/L	LBS			
20V. Methyl Bromide (74-83-9)	X			<5						1	UG/L	LBS			
21V. Methyl Chloride (74-87-3)	X			<5	↓					1	UG/L	LBS			

CONTINUED FROM

GE V-4

EPA I.D. NUMBER (copy from Item 1 of

NHD000842666

OUTFALL NUMBER

001

Form Approved

OMB No. 2040-0086

Approval expires 7-31-88

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	TEST FINDING QUIN-ED	D. BE- LIEVED PRE- SENT	C. BE- LIEVED LAB- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENTRATION	b. MASS	c. LONG TERM AVERAGE VALUE		d. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)	X			< 5	< 0.1					1	UG/L	LBS			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X			< 5						1	UG/L	LBS			
24V. Tetrachloroethylene (127-18-4)	X			< 5						1	UG/L	LBS			
25V. Toluene (108-88-3)	X			< 5						1	UG/L	LBS			
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X			< 5						1	UG/L	LBS			
27V. 1,1,1-Trichloroethane (71-55-6)	X			< 5						1	UG/L	LBS			
28V. 1,1,2-Trichloroethane (79-00-5)	X			< 5						1	UG/L	LBS			
29V. Trichloroethylene (79-01-6)	X			< 5						1	UG/L	LBS			
30V. Trichlorofluoromethane (75-69-4)	X			< 5						1	UG/L	LBS			
31V. Vinyl Chloride (75-01-4)	X			< 5						1	UG/L	LBS			
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-67-8)	X			< 10	< 0.25					1	UG/L	LBS			
2A. 2,4-Dichlorophenol (120-83-2)	X			< 10						1	UG/L	LBS			
3A. 2,4-Dimethylphenol (105-67-9)	X			< 10						1	UG/L	LBS			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X			< 10						1	UG/L	LBS			
5A. 2,4-Dinitrophenol (51-28-5)	X			< 10						1	UG/L	LBS			
6A. 2-Nitrophenol (88-75-5)	X			< 10						1	UG/L	LBS			
7A. 4-Nitrophenol (100-02-7)	X			< 10						1	UG/L	LBS			
8A. P-Chloro-M-Cresol (59-50-7)	X			< 10						1	UG/L	LBS			
9A. Pentachlorophenol (87-86-5)	X			< 10						1	UG/L	LBS			
10A. Phenol (108-95-2)	X			< 10						1	UG/L	LBS			
11A. 2,4,6-Trichlorophenol (88-06-2)	X			< 10						1	UG/L	LBS			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT				4. UNITS		5. INTAKE (optional)					
	A. TEST C. IN- QUIN- ED	B. SE- LIEVED PRE- SENT	C. SE- LIEVED AB- SENT	8. MAXIMUM DAILY VALUE		9. MAXIMUM 30 DAY VALUE (If available)		10. LONG TERM AVG. VALUE (If available)		d. NO. OF ANAL- YSES	8. CONCENTRATION	b. MASS	11. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X			<10	<0.25					1	UG/L	LBS			
2B. Acenaphthylene (208-96-8)	X			<10						1	UG/L	LBS			
3B. Anthracene (120-12-7)	X			<10						1	UG/L	LBS			
4B. Benzidine (92-87-5)	X			<20	<0.50					1	UG/L	LBS			
5B. Benzo (a) Anthracene (56-55-3)	X			<10	<0.25					1	UG/L	LBS			
6B. Benzo (a) Pyrene (50-32-8)	X			<10						1	UG/L	LBS			
7B. 3,4-Benzo-fluoranthene (205-99-2)	X			<10						1	UG/L	LBS			
8B. Benzo (ghi) Perylene (191-24-2)	X			<10						1	UG/L	LBS			
9B. Benzo (k) Fluoranthene (207-08-9)	X			<10						1	UG/L	LBS			
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X			<10						1	UG/L	LBS			
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)	X			<10						1	UG/L	LBS			
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	X			<10						1	UG/L	LBS			
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X			<10						1	UG/L	LBS			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X			<10						1	UG/L	LBS			
15B. Butyl Benzyl Phthalate (95-68-7)	X			<10						1	UG/L	LBS			
16B. 2-Chloro-naphthalene (91-58-7)	X			<10						1	UG/L	LBS			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X			<10						1	UG/L	LBS			
18B. Chrysene (218-01-9)	X			<10						1	UG/L	LBS			
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			<10						1	UG/L	LBS			
20B. 1,2-Dichloro-benzene (95-50-1)	X			<10						1	UG/L	LBS			
21B. 1,3-Dichloro-benzene (541-73-1)	X			<10						1	UG/L	LBS			

CONTINUED FROM

AGE V-6

EPA I.D. NUMBER (copy from Item 1 of Form 1)

OUTFALL NUMBER

NHD000842661

001

Form Approved,
OMB No. 2040-0086
Approval expires 7-31-88

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT				4. UNITS			5. INTAKE (optional)				
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X			<10	<0.25					1	UG/L	LBS			
23B. 3,3'-Dichlorobenzidine (91-94-1)	X			<10						1	UG/L	LBS			
24B. Diethyl Phthalate (84-66-2)	X			<10						1	UG/L	LBS			
25B. Dimethyl Phthalate (131-11-3)	X			<10						1	UG/L	LBS			
26B. Di-N-Butyl Phthalate (84-74-2)	X			<10						1	UG/L	LBS			
27B. 2,4-Dinitrotoluene (121-14-2)	X			<10						1	UG/L	LBS			
28B. 2,6-Dinitrotoluene (606-20-2)	X			<10						1	UG/L	LBS			
29B. Di-N-Octyl Phthalate (117-84-0)	X			<10						1	UG/L	LBS			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X			<10						1	UG/L	LBS			
31B. Fluoranthene (206-44-0)	X			<10						1	UG/L	LBS			
32B. Fluorene (86-73-7)	X			<10						1	UG/L	LBS			
33B. Hexachlorobenzene (118-74-1)	X			<10						1	UG/L	LBS			
34B. Hexachlorobutadiene (87-68-3)	X			<10						1	UG/L	LBS			
35B. Hexachlorocyclopentadiene (77-47-4)	X			<10						1	UG/L	LBS			
36B. Hexachloroethane (67-72-1)	X			<10						1	UG/L	LBS			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			<10						1	UG/L	LBS			
38B. Isophorone (78-59-1)	X			<10						1	UG/L	LBS			
39B. Naphthalene (91-20-3)	X			<10						1	UG/L	LBS			
40B. Nitrobenzene (98-95-3)	X			<10						1	UG/L	LBS			
41B. N-Nitrosodimethylamine (62-75-9)	X			<10						1	UG/L	LBS			
42B. N-Nitrosodimethyl-N-Propylamine (621-64-7)	X			<10						1	UG/L	LBS			

CONTINUED FRC IE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)	X			<10	<0.25					1	UG/L	LBS			
44B. Phenanthrene (85-01-8)	X			<10	<0.25					1	UG/L	LBS			
45B. Pyrene (129-00-0)	X			<10	<0.25					1	UG/L	LBS			
46B. 1,2,4 - Trichlorobenzene (120-82-1)	X			<10	<0.25					1	UG/L	LBS			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α -BHC (319-84-6)			X												
3P. β -BHC (319-85-7)			X												
4P. γ -BHC (58-89-9)			X												
5P. δ -BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-65-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α -Endosulfan (115-29-7)			X												
12P. β -Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

NHD000842666

001

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TEST-ING RE-QUIR-ED	b. BE-LIEVED PRE-SENT	c. BE-LIEVED AS-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL-YSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL-YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PLEASE PRINT OF THE INFORMATION IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)
NHD000842666

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OMB No. 2040-0086
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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO. 015

PART A You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT				3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY (if available)		c. CONCENTRATION	d. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)									
b. Chemical Oxygen Demand (COD)									
c. Total Organic Carbon (TOC)									
d. Total Suspended Solids (TSS)									
e. Ammonia (as N)									
f. Flow	VALUE 100000	VALUE 65000	VALUE 43540	1	MGD	-	VALUE		
g. Temperature (winter)	VALUE	VALUE	VALUE			°C	VALUE		
h. Temperature (summer)	VALUE	VALUE	VALUE			°C	VALUE		
i. pH	MINIMUM 6.5	MAXIMUM 8.0	MINIMUM 6.5	MAXIMUM 8.0			STANDARD UNITS		

SAMPLING REQUIREMENT WAIVED

PART B Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT				4. UNITS	5. INTAKE (optional)				
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)			c. LONG TERM AVRG. VALUE (if available)	d. NO. OF ANALYSES	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)												
b. Chlorine, Total Residual												
c. Color												
d. Fecal Coliform												
e. Fluoride (16984-48-8)												
f. Nitrate-Nitrite (as N)												

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (If available)		2. ANALYSIS a. LISTED b. BELIEVED (If available)		3. EFFLUENT B. MAXIMUM DAILY VALUE (If available)				C. LONG TERM AVG. VALUE (If available)		4. UNITS		5. INTAKE (optional)			
				B. MAXIMUM DAILY VALUE (If available)		C. LONG TERM AVG. VALUE (If available)						B. MAXIMUM DAILY VALUE (If available)		C. LONG TERM AVG. VALUE (If available)	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS
g. Nitrogen, Total Organic (as N)															
h. Oil and Grease	X			5.2	4.3	<5	<3	<5	<2	1	MG/L				
i. Phosphorus (as P), Total (7723-14-0)															
j. Radioactivity															
(1) Alpha, Total															
(2) Beta, Total															
(3) Radium, Total															
(4) Radium 226, Total															
k. Sulfate (as SO ₄) (14808-79-8)															
l. Sulfide (as S)															
m. Sulfite (as SO ₃) (14265-45-3)															
n. Surfactants															
o. Aluminum Total (7429-90-5)															
p. Barium Total (7440-39-3)															
q. Boron Total (7440-42-8)															
r. Cobalt Total (7440-48-4)															
s. Iron, Total (7439-89-6)															
t. Magnesium Total (7439-95-4)															
u. Molybdenum Total (7439-98-7)															
v. Manganese Total (7439-96-5)															
w. Tin, Total (7440-31-5)															
x. Titanium Total (7440-32-6)															

Outfalls 002, 003 and 004

These outfalls represent the non-contact cooling water discharges and occasional hotwell drains for Units 4, 5 and 6, respectively. Each unit is treated with sodium hypochlorite for a maximum of two hours each day of operation. The maximum daily mass value reported for total residual chlorine (6.0 pounds) represents a maximum concentration of 0.2 mg/l for a two-hour chlorination cycle. Inlet temperatures are measured at the legs feeding into the condenser and outlet temperatures are measured in the discharge legs or at the weir outfall. Flows are based upon pump run times. Ferrous sulfate is no longer used. PSNH requests the temperature criteria be increased from 95⁰F/25⁰F to 100⁰F/30⁰F. A fully completed Form 2C is enclosed.

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

NHD 000 842 666

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO
004

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT								3. UNITS (specify if blank)		4. INTAKE (optional)	
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	5. LONG TERM AVERAGE VALUE		
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	7	1.3					1	MG/L	TON	X		
b. Chemical Oxygen Demand (COD)	370	67.2					1	MG/L	TON	X		
c. Total Organic Carbon (TOC)	<5	<0.9					1	MG/L	TON	X		
d. Total Suspended Solids (TSS)	<10	<1.8					1	MG/L	TON	X		
e. Ammonia (as N)	<0.1	<36					1	MG/L	LB	X		
f. Flow	VALUE 43.5		VALUE 43.5		VALUE 27.6		1095	MGD	—	VALUE		
g. Temperature (winter)	VALUE 27		VALUE 27		VALUE 27		365	°C		VALUE		
h. Temperature (summer)	VALUE 35		VALUE 35		VALUE 35		1095	°C		VALUE		
i. pH	MINIMUM 7.8	MAXIMUM 8.2	MINIMUM 7.8	MAXIMUM 8.2			2	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT								4. UNITS		5. INTAKE (optional)	
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	5. LONG TERM AVERAGE VALUE		
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		<2	<0.4					1	MG/L	TON	X		
b. Chlorine Total Residual	X		0.2	6.0	0.2	6.0	<0.05	<0.96	780	MG/L	LB			
c. Color	X		—									X		
d. Fecal Coliform	X		<1	—					1	CFU/100ML	—	X		
e. Fluoride (16984-48-8)	X		0.44	160					1	MG/L	LB	X		
f. Nitrate-Nitrite (as N)	X		<0.1	<36					1	MG/L	LB	X		

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. X		3. EFFLUENT				4. UNITS			5. INTAKE (optional)				
	S. L. RECEIVED PRE-SENT	D. BE- LIEVED AB- SENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		G. NO. OF ANAL- YSES	H. CONCENTRATION	I. MASS	J. LONG TERM AVERAGE VALUE		K. NO. OF ANAL- YSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N) (7130-08-4)	X		<0.5	<181					1	MG/L	LBS	X		
h. Oil and Grease	X		<5	<1815					1	MG/L	LBS	X		
i. Phosphorus (as P), Total (7723-14-0)	X		0.015	5.44					1	MG/L	LBS	X		
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO ₄) (14808-79-8)	X		580	105					1	MG/L	TON	X		
l. Sulfide (as S) (7806-11-8)	X		<1	<363					1	MG/L	LBS	X		
m. Sulfite (as SO ₃) (14265-45-3)	X		<0.2	<72					1	MG/L	LBS	X		
n. Surfactants	X		<0.02	<7.2					1	MG/L	LBS	X		
o. Aluminum, Total (7429-90-5)	X		<0.3	<109					1	MG/L	LBS	X		
p. Barium, Total (7440-39-3)	X		<0.4	<145					1	MG/L	LBS	X		
q. Boron, Total (7440-42-8)	X		3.38	1227					1	MG/L	LBS	X		
r. Cobalt, Total (7440-48-4)	X		<0.02	<7.2					1	MG/L	LBS	X		
s. Iron, Total (7439-89-6)	X		<0.02	<7.2					1	MG/L	LBS	X		
t. Magnesium, Total (7439-95-4)	X		1200	218					1	MG/L	TON	X		
u. Molybdenum, Total (7439-98-7)	X		<0.08	<29					1	MG/L	LBS	X		
v. Manganese, Total (7439-96-5)	X		0.07	25					1	MG/L	LBS	X		
w. Tin, Total (7440-31-5)	X		<0.04	<14					1	MG/L	LBS	X		
x. Titanium, Total (7440-32-6)	X		<0.2	<72					1	MG/L	LBS	X		

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CONTINUED FROM PAGE 3 OF FORM 2-C

PART C If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4,6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See Instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	TESTING REQUIRED	D. BELIEVED PRESENT	C. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVG. VALUE (If available)		d. NO. OF ANALYSES	B. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NC AN. YS
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			<0.02	<7.2					1	MG/L	LBS			
2M. Arsenic, Total (7440-38-2)	X			<0.004	<1.45					1	MG/L	LBS			
3M. Beryllium, Total (7440-41-7)	X			<0.005	<1.81					1	MG/L	LBS			
4M. Cadmium, Total (7440-43-9)	X			<0.005	<1.81					1	MG/L	LBS			
5M. Chromium, Total (7440-47-3)	X			<0.04	<14.5					1	MG/L	LBS			
6M. Copper, Total (7440-50-8)	X			0.083	30.1					1	MG/L	LBS	X		
7M. Lead, Total (7439-92-1)	X			<0.01	<3.6					1	MG/L	LBS			
8M. Mercury, Total (7439-97-6)	X			0.0006	0.218					1	MG/L	LBS	X		
9M. Nickel, Total (7440-02-0)	X			<0.01	<3.6					1	MG/L	LBS			
10M. Selenium, Total (7782-49-2)	X			0.2	72					1	MG/L	LBS	X		
11M. Silver, Total (7440-22-4)	X			<0.004	<1.45					1	MG/L	LBS			
12M. Thallium, Total (7440-28-0)	X			<0.04	<14.5					1	MG/L	LBS			
13M. Zinc, Total (7440-66-6)	X			<0.006	2.18					1	MG/L	LBS			
14M. Cyanide, Total (57-12-5)	X			<0.01	<3.6					1	MG/L	LBS			
15M. Phenols, Total	X			<0.05	18.1					1	MG/L	LBS			
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT						4. NO. OF ANAL. YSES	4. UNITS		5. INTAKE (optional)		
	a. IN-QUIR-ED	b. BE-LIEVED PRE-SENT	c. BE-LIEVED AB-SENT	8. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVG. VALUE (If available)			8. CONCENTRATION	b. MASS	8. LONG TERM AVERAGE VALUE		b. NO. OF ANAL. YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			<10	<3.6					1	UG/L	LBS			
2V. Acrylonitrile (107-13-1)	X			<10	<3.6					1	UG/L	LBS			
3V. Benzene (71-43-2)	X			<5	<1.8					1	UG/L	LBS			
4V. Bis (Chloromethyl) Ether (542-88-1)	TESTING NOT REQUIRED														
5V. Bromoform (75-25-2)	X			<5	<1.8					1	UG/L	LBS			
6V. Carbon Tetrachloride (56-23-5)	X			<5						1	UG/L	LBS			
7V. Chlorobenzene (108-90-7)	X			<5						1	UG/L	LBS			
8V. Chlorodibromomethane (124-48-1)	X			<5						1	UG/L	LBS			
9V. Chloroethane (75-00-3)	X			<5						1	UG/L	LBS			
10V. 2-Chloroethylvinyl Ether (110-75-8)	X			<5						1	UG/L	LBS			
11V. Chloroform (67-66-3)	X			<5						1	UG/L	LBS			
12V. Dichlorobromomethane (75-27-4)	X			<5						1	UG/L	LBS			
13V. Dichlorodifluoromethane (75-71-8)	TESTING NOT REQUIRED														
14V. 1,1-Dichloroethane (75-34-3)	X			<5	<1.8					1	UG/L	LBS			
15V. 1,2-Dichloroethane (107-06-2)	X			<5						1	UG/L	LBS			
16V. 1,1-Dichloroethylene (75-35-4)	X			<5						1	UG/L	LBS			
17V. 1,2-Dichloropropane (78-87-5)	X			<5						1	UG/L	LBS			
18V. 1,3-Dichloropropene (542-75-6)	X			<5						1	UG/L	LBS			
19V. Ethylbenzene (100-41-4)	X			<5						1	UG/L	LBS			
20V. Methyl Bromide (74-83-9)	X			<5						1	UG/L	LBS			
21V. Methyl Chloride (74-87-3)	X			<5						1	UG/L	LBS			

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3. EFFLUENT

4. UNITS

5. INTAKE (of

)

POLLUTANT AND CAS NUMBER (if available)	TESTING EQUIPMENT	D. RECEIVED PRESENT	C. RECEIVED ASSENT	3. EFFLUENT				4. UNITS				5. INTAKE (op)			
				B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVRG. VALUE (if available)		D. NO. OF ANALYSES	B. CONCENTRATION	D. MASS	B. LONG TERM AVERAGE VALUE		D. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
MS FRACTION - VOLATILE COMPOUNDS (continued)															
I. Methylene oxide (75-09-2)	X			< 5	< 1.8					1	UG/L	LBS			
II. 1,1,2,2-Tetrachloroethane (134-6)	X			< 5						1	UG/L	LBS			
V. Tetrachloroethylene (127-18-4)	X			< 5						1	UG/L	LBS			
V. Toluene (88-83-3)	X			< 5						1	UG/L	LBS			
V. 1,2-Trans-chloroethylene (56-80-5)	X			< 5						1	UG/L	LBS			
V. 1,1,1-Trichloroethane (155-6)	X			< 5						1	UG/L	LBS			
VI. 1,1,2-Trichloroethane (900-5)	X			< 5						1	UG/L	LBS			
IV. Trichloroethylene (79-01-6)	X			< 5						1	UG/L	LBS			
IV. Trichloromethane (55-69-4)	X			< 5						1	UG/L	LBS			
IV. Vinyl chloride (75-01-4)	X			< 5						1	UG/L	LBS			
C/MS FRACTION - ACID COMPOUNDS															
A. 2-Chlorophenol (95-67-8)	X			< 10	< 3.6					1	UG/L	LBS			
A. 2,4-Dichlorophenol (120-83-2)	X			< 10						1	UG/L	LBS			
A. 2,4-Dimethylphenol (105-67-9)	X			< 10						1	UG/L	LBS			
A. 4,6-Dinitro-Cresol (534-62-1)	X			< 10						1	UG/L	LBS			
A. 2,4-Dinitrophenol (51-28-5)	X			< 10						1	UG/L	LBS			
A. 2-Nitrophenol (88-75-5)	X			< 10						1	UG/L	LBS			
A. 4-Nitrophenol (100-02-7)	X			< 10						1	UG/L	LBS			
A. P-Chloro-M-Cresol (59-60-7)	X			< 10						1	UG/L	LBS			
A. Pentachlorophenol (87-86-5)	X			< 10						1	UG/L	LBS			
OA. Phenol (108-95-2)	X			< 10						1	UG/L	LBS			
1A. 2,4,6-Trichlorophenol (88-06-2)	X			< 10						1	UG/L	LBS			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT				4. UNITS				5. INTAKE (optional)			
	TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ASSENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	B. CONCENTRATION	b. MASS	5. LONG TERM AVERAGE VALUE		b. NO. ANALYSE
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X			<10	<3.6					1	UG/L	LBS			
2B. Acenaphthylene (208-96-8)	X			<10	<3.6					1	UG/L	LBS			
3B. Anthracene (120-12-7)	X			<10	<3.6					1	UG/L	LBS			
4B. Benzidine (92-87-6)	X			<20	<7.2					1	UG/L	LBS			
5B. Benzo (a) Anthracene (56-55-3)	X			<10	<3.6					1	UG/L	LBS			
6B. Benzo (a) Pyrene (50-32-8)	X			<10						1	UG/L	LBS			
7B. 3,4-Benzo-fluoranthene (205-99-2)	X			<10						1	UG/L	LBS			
8B. Benzo (ghi) Perylene (191-24-2)	X			<10						1	UG/L	LBS			
9B. Benzo (k) Fluoranthene (207-08-9)	X			<10						1	UG/L	LBS			
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	X			<10						1	UG/L	LBS			
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X			<10						1	UG/L	LBS			
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	X			<10						1	UG/L	LBS			
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X			<10						1	UG/L	LBS			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X			<10						1	UG/L	LBS			
15B. Butyl Benzyl Phthalate (85-68-7)	X			<10						1	UG/L	LBS			
16B. 2-Chloronaphthalene (91-58-7)	X			<10						1	UG/L	LBS			
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	X			<10						1	UG/L	LBS			
18B. Chrysene (218-01-9)	X			<10						1	UG/L	LBS			
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			<10						1	UG/L	LBS			
20B. 1,2-Dichlorobenzene (95-50-1)	X			<10						1	UG/L	LBS			
21B. 1,3-Dichlorobenzene (541-73-1)	X			<10						1	UG/L	LBS			

EPA I.D. NUMBER (copy from Item 1 of Form 1) **NHD000842666** OUTFALL NUMBER **004**

CONTINUED FROM **GE V-6**

1. POLLUTANT AND CAS NUMBER (if available)	MARK 'X'			3. EFFLUENT						4. UNITS			5. INTAKE (optional)		
	TEST NO. RE- QUIR- ED	D. SE- LIEVED PRE- SENT	C. SE- LIEVED AD- JEST	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		U. NO. OF ANAL- YSES	a. CON- CENT- RATION	b. MASS	LONG TERM AVERAGE VALUE		U. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichloro- benzene (106-46-7)	X			<10	<3.6					1	UG/L	LBS			
23B. 3,3'-Dichloro- benzidine (91-94-1)	X			<10						1	UG/L	LBS			
24B. Diethyl Phthalate (84-66-2)	X			<10						1	UG/L	LBS			
25B. Dimethyl Phthalate (131-11-3)	X			<10						1	UG/L	LBS			
26B. DI-N-Butyl Phthalate (84-74-2)	X			<10						1	UG/L	LBS			
27B. 2,4-Dinitro- toluene (121-14-2)	X			<10						1	UG/L	LBS			
28B. 2,6-Dinitro- toluene (606-20-2)	X			<10						1	UG/L	LBS			
29B. DI-N-Octyl Phthalate (117-84-0)	X			<10						1	UG/L	LBS			
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)	X			<10						1	UG/L	LBS			
31B. Fluoranthene (206-44-0)	X			<10						1	UG/L	LBS			
32B. Fluorene (86-73-7)	X			<10						1	UG/L	LBS			
33B. Hexachlorobenzene (118-74-1)	X			<10						1	UG/L	LBS			
34B. Hexa- chlorobutadiene (87-68-3)	X			<10						1	UG/L	LBS			
35B. Hexachloro- cyclopentadiene (77-47-4)	X			<10						1	UG/L	LBS			
36B. Hexachloro- ethane (67-72-1)	X			<10						1	UG/L	LBS			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			<10						1	UG/L	LBS			
38B. Isophorone (78-59-1)	X			<10						1	UG/L	LBS			
39B. Naphthalene (91-20-3)	X			<10						1	UG/L	LBS			
40B. Nitrobenzene (98-95-3)	X			<10						1	UG/L	LBS			
41B. N-Nitro- sodimethylamine (62-75-9)	X			<10						1	UG/L	LBS			
42B. N-Nitrosodi- N-Propylamine (621-64-7)	X			<10						1	UG/L	LBS			

CONTINUED FROM

FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST-ING RE-QUIR-ED	B. BE-LIEVED PRE-SENT	C. BE-LIEVED AB-SENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVRG. VALUE (if available)		D. NO. OF ANAL- YSES	B. CONCEN- TRATION	D. MASS	E. LONG TERM AVERAGE VALUE		D. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro-sodiphenylamine (86-30-6)	X			<10	<3.6					1	UG/L	LBS			
44B. Phenanthrene (85-01-8)	X			<10	<3.6					1	UG/L	LBS			
45B. Pyrene (129-00-0)	X			<10	<3.6					1	UG/L	LBS			
46B. 1,2,4 - Tri-chlorobenzene (120-82-1)	X			<10	<3.6					1	UG/L	LBS			
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α -BHC (319-84-6)			X												
3P. β -BHC (319-85-7)			X												
4P. γ -BHC (58-89-9)			X												
5P. δ -BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-65-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α -Endosulfan (115-29-7)			X												
12P. β -Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	8. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)			8. CONCENTRATION	b. MASS	8. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

Outfall 006

This outfall actually consists of six pipes, two from each of the three units. With the exception of roof drains, the outfall is only used on the rare occasion when there is a brief equipment overflow usually related to a unit upset. The effluent consists of boiler condensate that can be released from events such as steam blowdowns or a deaerator overflow during a unit startup or a boiler trip. Occasionally the outfall must be activated to perform essential maintenance to blowdown tanks or piping that transfer the water to waste treatment. Except for stormwater, the pipes will typically discharge only a few days per year for less than one hour per event.

A fully completed Form 2C is enclosed. Samples for the application data were collected from normal boiler blowdown from Unit #6 to simulate the potential discharge effluent. The data shows the condensate to be relatively pure. Flows are based on the limited number of actual historical discharge estimates. When the outfall is activated, the pH of the boiler condensate is reported and flow is estimated. PSNH requests no changes to the existing monitoring requirements and permit conditions.

PLEASE PRINT TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO.

006

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	5. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	4	0.02					1	MG/L	LBS			
b. Chemical Oxygen Demand (COD)	<10	<0.05					1	MG/L	LBS			
c. Total Organic Carbon (TOC)	<5	<0.02					1	MG/L	LBS			
d. Total Suspended Solids (TSS)	<10	<0.05					1	MG/L	LBS			
e. Ammonia (as N)	0.9	0.004					1	MG/L	LBS			
f. Flow	VALUE 584 *		VALUE 90 *		VALUE		9	GPD	—	VALUE		
g. Temperature (winter)	VALUE 100		VALUE 100		VALUE		EST	°C		VALUE		
h. Temperature (summer)	VALUE 100		VALUE 100		VALUE		EST	°C		VALUE		
i. pH	MINIMUM 9.4	MAXIMUM 10.0	MINIMUM 9.4	MAXIMUM 10.0			9	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	6. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS						
a. Bromide (24959-67-9)		X	<2	<0.1					1	MG/L	LBS			
b. Chlorine Total Residual		X	<0.05	<0.0002					1	MG/L	LBS			
c. Color		X												
d. Fecal Coliform		X	<1	—					1	CFU/100ML	—			
e. Fluoride (16984-48-8)	X		0.46	0.002					1	MG/L	LBS			
f. Nitrate-Nitrite (as N)		X	<0.05	<0.0002					1	MG/L	LBS			

* NOT INCLUDING ROOF DRAINS.

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (If available)	2. ANALYSIS		3. EFFLUENT				4. UNITS			5. INTAKE (optional)				
	a. RECEIVED PRE-SENT	b. RECEIVED POST-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVG. VALUE (If available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)		X	< 5	< 0.02					1	MG/L	LBS			
h. Oil and Grease		X	< 5	< 0.02					1	MG/L	LBS			
i. Phosphorus (as P), Total (7723-14-0)		X	< 0.01	< 0.0001					1	MG/L	LBS			
j. Radioactivity														
(1) Alpha Total		X												
(2) Beta Total		X												
(3) Radium Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO ₄) (14808-79-8)	X		46	0.2					1	MG/L	LBS			
l. Sulfide (as S)		X	< 1	< 0.005					1	MG/L	LBS			
m. Sulfite (as SO ₃) (14265-45-3)		X	< 0.2	< 0.001					1	MG/L	LBS			
n. Surfactants		X	< 0.02	< 0.0001					1	MG/L	LBS			
o. Aluminum, Total (7429-90-5)		X	< 0.3	< 0.001					1	MG/L	LBS			
p. Barium, Total (7440-39-3)		X	< 0.4	< 0.002					1	MG/L	LBS			
q. Boron, Total (7440-42-8)		X	0.06	0.0003					1	MG/L	LBS			
r. Cobalt, Total (7440-48-4)		X	< 0.02	< 0.0001					1	MG/L	LBS			
s. Iron, Total (7439-89-6)		X	< 0.02	< 0.0001					1	MG/L	LBS			
t. Magnesium, Total (7439-95-4)		X	< 0.005	< 0.0001					1	MG/L	LBS			
u. Molybdenum, Total (7439-98-7)		X	< 0.08	< 0.0004					1	MG/L	LBS			
v. Manganese, Total (7439-96-5)		X	< 0.006	< 0.0001					1	MG/L	LBS			
w. Tin, Total (7440-31-5)		X	< 0.04	< 0.0002					1	MG/L	LBS			
x. Titanium, Total (7440-32-6)		X	< 0.2	< 0.001					1	MG/L	LBS			

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CONTINUED FROM PAGE 3 OF FORM 2-C

PART C If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4,6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	b. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			<0.02	<0.0001					1	MG/L	LBS			
2M. Arsenic, Total (7440-38-2)	X			<0.004	<0.0001										
3M. Beryllium, Total (7440-41-7)	X			<0.005	<0.0001										
4M. Cadmium, Total (7440-43-9)	X			<0.005	<0.0001										
5M. Chromium, Total (7440-47-3)	X			<0.04	<0.0002										
6M. Copper, Total (7440-50-8)	X			<0.005	<0.0001										
7M. Lead, Total (7439-92-1)	X			<0.01	<0.0001										
8M. Mercury, Total (7439-97-6)	X			0.0004	0.000002										
9M. Nickel, Total (7440-02-0)	X			<0.01	<0.0001										
10M. Selenium, Total (7782-49-2)	X			<0.005	<0.0001										
11M. Silver, Total (7440-22-4)	X			<0.004	<0.0001										
12M. Thallium, Total (7440-28-0)	X			<0.04	<0.0002										
13M. Zinc, Total (7440-66-6)	X			0.019	0.0001										
14M. Cyanide, Total (57-12-6)	X			<0.01	<0.0001										
15M. Phenols, Total	X			<0.05	<0.0002										
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK X			3. EFFLUENT				4. UNITS			5. INTAKE (optional)				
	TESTING REQUIRED	BE- LIEVED SENT	BE- LIEVED AD- SENT	B. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		U. NO. OF ANAL- YSES	D. CONCEN- TRATION	E. MASS	F. LONG TERM AVERAGE VALUE		G. NC AN- YS
				(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS	(1) CONCEN- TRATION	(2) MASS				(1) CONCEN- TRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			<10	<0.0001					1	UG/L	LBS			
2V. Acrylonitrile (107-13-1)	X			<10	<0.0001					1	UG/L	LBS			
3V. Benzene (71-43-2)	X			<5	<0.0001					1	UG/L	LBS			
4V. Bis (Chloro- methyl) Ether (542-88-1)				TESTING NOT REQUIRED											
5V. Bromoform (75-25-2)	X			<5	<0.0001					1	UG/L	LBS			
6V. Carbon Tetrachloride (56-23-5)	X			<5						1	UG/L	LBS			
7V. Chlorobenzene (108-90-7)	X			<5						1	UG/L	LBS			
8V. Chlorodi- bromomethane (124-48-1)	X			<5						1	UG/L	LBS			
9V. Chloroethane (75-00-3)	X			<5						1	UG/L	LBS			
10V. 2-Chloro- ethylvinyl Ether (110-75-8)	X			<5						1	UG/L	LBS			
11V. Chloroform (67-66-3)	X			<5						1	UG/L	LBS			
12V. Dichloro- bromomethane (75-27-4)	X			<5						1	UG/L	LBS			
13V. Dichloro- difluoromethane (75-71-8)				TESTING NOT REQUIRED											
14V. 1,1-Dichloro- ethane (75-34-3)	X			<5	<0.0001					1	UG/L	LBS			
15V. 1,2-Dichloro- ethane (107-06-2)	X			<5						1	UG/L	LBS			
16V. 1,1-Dichloro- ethylene (75-35-4)	X			<5						1	UG/L	LBS			
17V. 1,2-Dichloro- propane (78-87-5)	X			<5						1	UG/L	LBS			
18V. 1,3-Dichloro- propylene (542-75-9)	X			<5						1	UG/L	LBS			
19V. Ethylbenzene (100-41-4)	X			<5						1	UG/L	LBS			
20V. Methyl Bromide (74-83-9)	X			<5						1	UG/L	LBS			
21V. Methyl Chloride (74-87-3)	X			<5						1	UG/L	LBS			

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EPA I.D. NUMBER (copy from Item 1 of Form 1)

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OUTFALL NUMBER

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POLLUTANT AND CAS NUMBER (if available)	TESTING REQUIRED	D. BELIEVED PRESENT	C. BELIEVED ABSENT	3. EFFLUENT				4. UNITS			5. INTAKE (of 1)				
				A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANALYSES	E. CONCENTRATION	F. MASS	G. LONG TERM AVERAGE VALUE		H. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
3C/MS FRACTION - VOLATILE COMPOUNDS (continued)															
V. Methylene chloride (75-09-2)	X			< 5	< 0.0001					1	UG/L	LBS			
V. 1,1,2,2-Tetrachloroethane (93-34-5)	X			< 5						1	UG/L	LBS			
V. Tetrachloroethylene (127-18-4)	X			< 5						1	UG/L	LBS			
IV. Toluene (98-88-3)	X			< 5						1	UG/L	LBS			
IV. 1,2-Dichloroethylene (66-60-5)	X			< 5						1	UG/L	LBS			
IV. 1,1,1-Trichloroethane (71-55-6)	X			< 5						1	UG/L	LBS			
IV. 1,1,2-Trichloroethane (79-00-5)	X			< 5						1	UG/L	LBS			
IV. Trichloroethylene (79-01-6)	X			< 5						1	UG/L	LBS			
IV. Trichlorofluoromethane (75-69-4)	X			< 5						1	UG/L	LBS			
IV. Vinyl chloride (75-01-4)	X			< 5						1	UG/L	LBS			
3C/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X			< 10	< 0.0001					1	UG/L	LBS			
2A. 2,4-Dichlorophenol (120-83-2)	X			< 10						1	UG/L	LBS			
3A. 2,4-Dimethylphenol (105-67-9)	X			< 10						1	UG/L	LBS			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X			< 10						1	UG/L	LBS			
5A. 2,4-Dinitrophenol (51-28-5)	X			< 10						1	UG/L	LBS			
6A. 2-Nitrophenol (88-75-5)	X			< 10						1	UG/L	LBS			
7A. 4-Nitrophenol (100-02-7)	X			< 10						1	UG/L	LBS			
8A. P-Chloro-M-Cresol (59-50-7)	X			< 10						1	UG/L	LBS			
9A. Pentachlorophenol (87-86-5)	X			< 10						1	UG/L	LBS			
10A. Phenol (108-95-2)	X			< 10						1	UG/L	LBS			
11A. 2,4,6-Trichlorophenol (88-06-2)	X			< 10						1	UG/L	LBS			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT				4. UNITS				5. INTAKE (optional)			
	A. TESTING EQUIP.	B. RECEIVED PRESENT	C. RECEIVED ASSENT	6. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (If available)		E. LONG TERM AVRG. VALUE (If available)		F. NO. OF ANAL. YSES	G. CONCENTRATION	H. MASS	I. LONG TERM AVERAGE VALUE		J. NO. OF ANAL. YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-8)	X			<10	<0.0001					1	UG/L	LBS			
2B. Acenaphthylene (208-96-8)	X			<10						1	UG/L	LBS			
3B. Anthracene (120-12-7)	X			<10						1	UG/L	LBS			
4B. Benzidine (92-87-5)	X			<20						1	UG/L	LBS			
5B. Benzo (a) Anthracene (56-55-3)	X			<10						1	UG/L	LBS			
6B. Benzo (a) Pyrene (50-32-8)	X			<10						1	UG/L	LBS			
7B. 3,4-Benzo-fluoranthene (205-99-2)	X			<10						1	UG/L	LBS			
8B. Benzo (ghi) Perylene (191-24-2)	X			<10						1	UG/L	LBS			
9B. Benzo (k) Fluoranthene (207-08-9)	X			<10						1	UG/L	LBS			
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X			<10						1	UG/L	LBS			
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)	X			<10						1	UG/L	LBS			
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	X			<10						1	UG/L	LBS			
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X			<10						1	UG/L	LBS			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X			<10						1	UG/L	LBS			
15B. Butyl Benzyl Phthalate (85-68-7)	X			<10						1	UG/L	LBS			
16B. 2-Chloro-naphthalene (91-58-7)	X			<10						1	UG/L	LBS			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X			<10						1	UG/L	LBS			
18B. Chrysene (218-01-9)	X			<10						1	UG/L	LBS			
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			<10						1	UG/L	LBS			
20B. 1,2-Dichloro-benzene (95-50-1)	X			<10						1	UG/L	LBS			
21B. 1,3-Dichloro-benzene (541-73-1)	X			<10						1	UG/L	LBS			

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GE V-6

EPA I.D. NUMBER (copy from Item 1 of Form 1)

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1. POLLUTANT AND CAS NUMBER (If fraction)	2. MARK 'X'			3. EFFLUENT				4. UNITS		5. INTAKE (optional)					
	A. TESTING REQUIRED	B. RECEIVED PRESENT	C. RECEIVED ABSENT	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (If available)		C. LONG TERM AVG. VALUE (If available)		D. NO. OF ANALYSES	E. CONCENTRATION	F. MASS	G. LONG TERM AVERAGE VALUE		H. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X			<10	<0.0001					1	UG/L	LBS			
23B. 3,3'-Dichlorobenzidine (91-94-1)	X			<10						1	UG/L	LBS			
24B. Diethyl Phthalate (84-66-2)	X			<10						1	UG/L	LBS			
25B. Dimethyl Phthalate (131-11-3)	X			<10						1	UG/L	LBS			
26B. Di-N-Butyl Phthalate (84-74-2)	X			<10						1	UG/L	LBS			
27B. 2,4-Dinitrotoluene (121-14-2)	X			<10						1	UG/L	LBS			
28B. 2,6-Dinitrotoluene (606-20-2)	X			<10						1	UG/L	LBS			
29B. Di-N-Octyl Phthalate (117-84-0)	X			<10						1	UG/L	LBS			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X			<10						1	UG/L	LBS			
31B. Fluoranthene (206-44-0)	X			<10						1	UG/L	LBS			
32B. Fluorene (86-73-7)	X			<10						1	UG/L	LBS			
33B. Hexachlorobenzene (118-74-1)	X			<10						1	UG/L	LBS			
34B. Hexachlorobutadiene (87-68-3)	X			<10						1	UG/L	LBS			
35B. Hexachlorocyclopentadiene (77-47-4)	X			<10						1	UG/L	LBS			
36B. Hexachloroethane (67-72-1)	X			<10						1	UG/L	LBS			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			<10						1	UG/L	LBS			
38B. Isophorone (78-59-1)	X			<10						1	UG/L	LBS			
39B. Naphthalene (91-20-3)	X			<10						1	UG/L	LBS			
40B. Nitrobenzene (98-95-3)	X			<10						1	UG/L	LBS			
41B. N-Nitrosodimethylamine (62-75-8)	X			<10						1	UG/L	LBS			
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X			<10						1	UG/L	LBS			

CONTINUED FROM

FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	8. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL. YSES	a. CONCENTRATION	b. MASS	8. LONG TERM AVERAGE VALUE		b. NO. OF ANAL. YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)	X			<10	<0.0001					1	UG/L	LBS			
44B. Phenanthrene (85-01-8)	X			<10	<0.0001					1	UG/L	LBS			
45B. Pyrene (129-00-0)	X			<10	<0.0001					1	UG/L	LBS			
46B. 1,2,4 - Tri-chlorobenzene (120-82-1)	X			<10	<0.0001					1	UG/L	LBS			
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-65-9)			X												
9P. 4,4'-DDD (72-64-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	b. MAXIMUM DAILY VALUE		d. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PAGE V-9

Outfall 011

Effluent consists of a combination of stormwater and heater condensate drains from the Schiller Station Tank Farm. Samples can be collected from the end of one of three different pipes that discharge stormwater from the tank farm. Rainfall pH is also recorded to compare to effluent readings. Based upon historical compliance, PSNH requests the monitoring frequency be reduced to quarterly and the pH sampling be reduced to a single grab from any of the three pipes. Flows are estimated based upon drainage area, rainfall and steam used. Given the size of the drainage area, PSNH requests the flow limits be increased to 300,000/600,000 gpd to accommodate a 10-year, 24-hour storm event of 4.6-inches. A fully completed Form 2C is enclosed.

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTION.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

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OUTFALL N
011

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)	4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			d. NO. OF ANALYSES	b. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	5	10					1	MG/L	LBS		
b. Chemical Oxygen Demand (COD)	<10	<20					1	MG/L	LBS		
c. Total Organic Carbon (TOC)	<5	<10					1	MG/L	LBS		
d. Total Suspended Solids (TSS)	<10	<20					1	MG/L	LBS		
e. Ammonia (as N)	<0.1	<0.2					1	MG/L	LBS		
f. Flow	VALUE 235000		VALUE 23500		VALUE 11000		1095	GPD	—	VALUE	
g. Temperature (winter)	VALUE 12		VALUE		VALUE		1	°C		VALUE	
h. Temperature (summer)	VALUE 26		VALUE		VALUE		EST	°C		VALUE	
i. pH	MINIMUM 6.6	MAXIMUM 7.7	MINIMUM 6.6	MAXIMUM 7.7			37	STANDARD UNITS			

PART B Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	b. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		<2	<4					1	MG/L	LBS			
b. Chlorine, Total Residual		X	<0.05	<0.10					1	MG/L	LBS			
c. Color	X													
d. Fecal Coliform		X	<1	<2					1	CFU/100 ML	—			
e. Fluoride (16984-48-8)	X		0.3	0.6					1	MG/L	LBS			
f. Nitrate-Nitrite (as N)	X		0.33	0.65					1	MG/L	LBS			

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (If available)	2. TKNX		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. RECEIVED PRE-SENT	b. RECEIVED AD-SENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (If available)		C. LONG TERM AVG. VALUE (If available)		d. NO. OF ANALYSES	B. CONCENTRATION	E. MASS	AVERAGE VALUE		D. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		<0.5	<1.0					1	MG/L	LBS			
h. Oil and Grease	X		9.1	18	<5	<1.0	<5	<0.5	37	MG/L	LBS			
i. Phosphorus (as P), Total (7723-14-0)	X		0.01	0.02					1	MG/L	LBS			
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO ₄) (14808-79-8)	X		46	90					1	MG/L	LBS			
l. Sulfide (as S)		X	<1	<2										
m. Sulfite (as SO ₃) (14266-46-3)		X	<0.2	<0.4										
n. Surfactants	X		<0.02	<0.04										
o. Aluminum, Total (7429-90-5)	X		<0.3	<0.6										
p. Barium, Total (7440-39-3)	X		<0.4	<0.8										
q. Boron, Total (7440-42-8)	X		0.06	0.12										
r. Cobalt, Total (7440-48-4)	X		<0.02	<0.04										
s. Iron, Total (7439-89-6)	X		0.06	0.12										
t. Magnesium, Total (7439-95-4)	X		0.49	0.96										
u. Molybdenum, Total (7439-98-7)	X		<0.08	<0.16										
v. Manganese, Total (7439-96-5)	X		<0.006	<0.012										
w. Tin, Total (7440-31-5)	X		<0.04	<0.08										
x. Titanium, Total (7440-32-6)	X		<0.2	<0.4										

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CONTINUED FROM 2 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4,6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			<0.02	<0.04					1	MG/L	LBS			
2M. Arsenic, Total (7440-38-2)				<0.004	<0.008										
3M. Beryllium, Total (7440-41-7)				<0.005	<0.010										
4M. Cadmium, Total (7440-43-9)				<0.005	<0.010										
5M. Chromium, Total (7440-47-3)				<0.04	<0.08										
6M. Copper, Total (7440-50-8)				<0.005	<0.010										
7M. Lead, Total (7439-92-1)				<0.01	<0.02										
8M. Mercury, Total (7439-97-6)				0.0002	0.0004										
9M. Nickel, Total (7440-02-0)				<0.01	<0.02										
10M. Selenium, Total (7782-49-2)				<0.005	<0.010										
11M. Silver, Total (7440-22-4)				<0.004	<0.008										
12M. Thallium, Total (7440-28-0)				<0.04	<0.08										
13M. Zinc, Total (7440-66-6)				0.042	0.082										
14M. Cyanide, Total (57-12-5)				<0.01	<0.02										
15M. Phenols, Total				<0.05	<0.10										

DIOXIN

3,7,8-Tetra-
chlorodibenzo-P-
dioxin (1764-01-6)

DESCRIBE RESULTS

X

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK			3. EFFLUENT				4. UNITS		5. INTAKE (optional)					
	TESTING REQUIRED	D. BELIEVED PRESENT	C. BELIEVED ADSENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (If available)		C. LONG TERM AVG. VALUE (If available)		D. NO. OF ANALYSES	B. CONCENTRATION	D. MASS	E. LONG TERM AVERAGE VALUE		D. N. A. Y.
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			<10	<0.02					1	UG/L	LBS			
2V. Acrylonitrile (107-13-1)	X			<10	<0.02					1	UG/L	LBS			
3V. Benzene (71-43-2)	X			<5	<0.01					1	UG/L	LBS			
4V. Bis (Chloromethyl) Ether (542-88-1)	TESTING NOT REQUIRED														
5V. Bromoform (75-25-2)	X			<5	<0.01					1	UG/L	LBS			
6V. Carbon Tetrachloride (56-23-5)	X			<5						1	UG/L	LBS			
7V. Chlorobenzene (108-90-7)	X			<5						1	UG/L	LBS			
8V. Chlorodibromomethane (124-48-1)	X			<5						1	UG/L	LBS			
9V. Chloroethane (75-00-3)	X			<5						1	UG/L	LBS			
10V. 2-Chloroethylvinyl Ether (110-75-8)	X			<5						1	UG/L	LBS			
11V. Chloroform (67-66-3)	X			<5						1	UG/L	LBS			
12V. Dichlorobromomethane (75-27-4)	X			<5						1	UG/L	LBS			
13V. Dichlorodifluoromethane (75-71-8)	TESTING NOT REQUIRED														
14V. 1,1-Dichloroethane (75-34-3)	X			<5	<0.01					1	UG/L	LBS			
15V. 1,2-Dichloroethane (107-06-2)	X			<5						1	UG/L	LBS			
16V. 1,1-Dichloroethylene (75-35-4)	X			<5						1	UG/L	LBS			
17V. 1,2-Dichloropropane (78-87-5)	X			<5						1	UG/L	LBS			
18V. 1,3-Dichloropropylene (542-75-6)	X			<5						1	UG/L	LBS			
19V. Ethylbenzene (100-41-4)	X			<5						1	UG/L	LBS			
20V. Methyl Bromide (74-83-9)	X			<5						1	UG/L	LBS			
21V. Methyl Chloride (74-87-3)	X			<5						1	UG/L	LBS			

CONTINUED FROM PAGE 4

EPA I.D. NUMBER (copy from Item 1 of Form 1)

NHD0000842666

OUTFALL NUMBER

011

Form Approved

OMB No. 2040-0086

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POLLUTANT AND CAS NUMBER (If available)	TESTING REQUIRED	D. BELIEVED PRESENT	E. BELIEVED ABSENT	3. EFFLUENT				4. UNITS		5. INTAKE (of)		D. NO. OF ANALYSES		
				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		B. CONCENTRATION	C. MASS		B. LONG TERM AVERAGE VALUE	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)														
2V. Methylene chloride (75-09-2)	X			< 5	< 0.01					1	UG/L	LBS		
3V. 1,1,2,2-Tetrachloroethane (79-34-5)	X			< 5						1	UG/L	LBS		
4V. Tetrachloroethylene (127-18-4)	X			< 5						1	UG/L	LBS		
5V. Toluene (108-88-3)	X			< 5						1	UG/L	LBS		
6V. 1,2-Dichloroethylene (156-80-5)	X			< 5						1	UG/L	LBS		
27V. 1,1,1-Trichloroethane (71-55-6)	X			< 5						1	UG/L	LBS		
28V. 1,1,2-Trichloroethane (79-00-5)	X			< 5						1	UG/L	LBS		
29V. Trichloroethylene (79-01-6)	X			< 5						1	UG/L	LBS		
30V. Trichlorofluoromethane (75-69-4)	X			< 5						1	UG/L	LBS		
31V. Vinyl Chloride (75-01-4)	X			< 5						1	UG/L	LBS		
GC/MS FRACTION - ACID COMPOUNDS														
1A. 2-Chlorophenol (95-67-8)	X			< 10	< 0.02					1	UG/L	LBS		
2A. 2,4-Dichlorophenol (120-83-2)	X			< 10						1	UG/L	LBS		
3A. 2,4-Dimethylphenol (105-67-9)	X			< 10						1	UG/L	LBS		
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X			< 10						1	UG/L	LBS		
5A. 2,4-Dinitrophenol (51-28-5)	X			< 10						1	UG/L	LBS		
6A. 2-Nitrophenol (88-75-5)	X			< 10						1	UG/L	LBS		
7A. 4-Nitrophenol (100-02-7)	X			< 10						1	UG/L	LBS		
8A. P-Chloro-M-Cresol (59-50-7)	X			< 10						1	UG/L	LBS		
9A. Pentachlorophenol (87-86-5)	X			< 10						1	UG/L	LBS		
10A. Phenol (108-95-2)	X			< 10						1	UG/L	LBS		
11A. 2,4,6-Trichlorophenol (88-06-2)	X			< 10						1	UG/L	LBS		

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK X			3. EFFLUENT				4. UNITS			5. INTAKE (optional)				
	A. TEST NO. REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ASSENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVRG. VALUE (if available)		D. NO. OF ANALYSES	B. CONCENTRATION	b. MASS	B. LONG TERM AVERAGE VALUE		b. NO. ANALYSE
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X			<10	<0.02					1	UG/L	LBS			
2B. Acenaphthylene (208-96-8)	X			<10	<0.02					1	UG/L	LBS			
3B. Anthracene (120-12-7)	X			<10	<0.02					1	UG/L	LBS			
4B. Benzidine (92-87-5)	X			<20	<0.04					1	UG/L	LBS			
5B. Benzo (a) Anthracene (56-55-3)	X			<10	<0.02					1	UG/L	LBS			
6B. Benzo (a) Pyrene (50-32-8)	X			<10						1	UG/L	LBS			
7B. 3,4-Benzo-fluoranthene (205-99-2)	X			<10						1	UG/L	LBS			
8B. Benzo (ghi) Perylene (191-24-2)	X			<10						1	UG/L	LBS			
9B. Benzo (k) Fluoranthene (207-08-9)	X			<10						1	UG/L	LBS			
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	X			<10						1	UG/L	LBS			
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X			<10						1	UG/L	LBS			
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	X			<10						1	UG/L	LBS			
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X			<10						1	UG/L	LBS			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X			<10						1	UG/L	LBS			
15B. Butyl Benzyl Phthalate (85-68-7)	X			<10						1	UG/L	LBS			
16B. 2-Chloronaphthalene (91-58-7)	X			<10						1	UG/L	LBS			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X			<10						1	UG/L	LBS			
18B. Chrysene (218-01-9)	X			<10						1	UG/L	LBS			
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			<10						1	UG/L	LBS			
20B. 1,2-Dichlorobenzene (95-50-1)	X			<10						1	UG/L	LBS			
21B. 1,3-Dichlorobenzene (541-73-1)	X			<10						1	UG/L	LBS			

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS			5. INTAKE (optional)		
	TESTING REQUIRED	B. SE- LIEVED PRE- SENT	C. SE- LIEVED AB- SENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	e. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X			<10	<0.02					1	UG/L	LBS			
23B. 3,3'-Dichlorobenzidine (91-94-1)	X			<10						1	UG/L	LBS			
24B. Diethyl Phthalate (84-66-2)	X			<10						1	UG/L	LBS			
25B. Dimethyl Phthalate (131-11-3)	X			<10						1	UG/L	LBS			
26B. Di-N-Butyl Phthalate (84-74-2)	X			<10						1	UG/L	LBS			
27B. 2,4-Dinitrotoluene (121-14-2)	X			<10						1	UG/L	LBS			
28B. 2,6-Dinitrotoluene (606-20-2)	X			<10						1	UG/L	LBS			
29B. Di-N-Octyl Phthalate (117-84-0)	X			<10						1	UG/L	LBS			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)				<10						1	UG/L	LBS			
31B. Fluoranthene (206-44-0)	X			<10						1	UG/L	LBS			
32B. Fluorene (86-73-7)	X			<10						1	UG/L	LBS			
33B. Hexachlorobenzene (118-74-1)	X			<10						1	UG/L	LBS			
34B. Hexachlorobutadiene (87-68-3)	X			<10						1	UG/L	LBS			
35B. Hexachlorocyclopentadiene (77-47-4)	X			<10						1	UG/L	LBS			
36B. Hexachloroethane (67-72-1)	X			<10						1	UG/L	LBS			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			<10						1	UG/L	LBS			
38B. Isophorone (78-59-1)	X			<10						1	UG/L	LBS			
39B. Naphthalene (91-20-3)	X			<10						1	UG/L	LBS			
40B. Nitrobenzene (98-95-3)	X			<10						1	UG/L	LBS			
41B. N-Nitrosodimethylamine (62-75-9)	X			<10						1	UG/L	LBS			
42B. N-Nitrosodimethylamine (62-75-9)	X			<10						1	UG/L	LBS			

CONTINUED FROM

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ASSENT	B. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	B. CONCENTRATION	b. MASS	B. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)	X			<10	<0.02					1	UG/L	LBS			
44B. Phenanthrene (85-01-8)	X			<10	<0.02					1	UG/L	LBS			
45B. Pyrene (129-00-0)	X			<10	<0.02					1	UG/L	LBS			
46B. 1,2,4-Trichlorobenzene (120-82-1)	X			<10	<0.02					1	UG/L	LBS			
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α -BHC (319-84-6)			X												
3P. β -BHC (319-85-7)			X												
4P. γ -BHC (58-89-9)			X												
5P. δ -BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α -Endosulfan (115-29-7)			X												
12P. β -Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	B. LISTING REQUIRED	D. DESIGNATED PRIORITY	C. DESIGNATED AS PRIORITY	B. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	8. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PAGE V-9

Outfalls 016, 017

Outfall 016 is the Wastewater Treatment Plant #2 discharge during routine operations. It includes mostly all station wastewater which consists principally of demineralizer regenerations, boiler blowdown, coalpile runoff and equipment and floor drains. The treated effluent is pumped to any one of the three operating units and mixed and discharged with the non-contact cooling water (Outfalls 002, 003 or 004). Samples are collected weekly at the discharge from the neutralization tank while flow and pH are recorded continuously. Flow, total suspended solids, oil and grease, copper, iron, and pH are monitored and reported. Based on the historical compliance record, PSNH requests the monitoring frequency for oil and grease, total suspended solids, iron and copper for Outfall 016 be reduced to monthly. A fully completed Form 2C is enclosed.

Outfall 017 is identical to 016. It is only active, however, when boiler chemical cleaning wastes (water side metal cleanings) are being treated and discharged. Under worst case conditions, each boiler will only be chemically cleaned once during the 5-year life of the NPDES permit. The same parameters are monitored as for 016, only on a daily basis. No effluent data is available since the outfall was not activated during the life of the existing permit due to the infrequency of chemical cleanings and the current ability to evaporate the wastewater in the boilers.

PLEASE PRINT TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO.
016/017

PART A You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			b. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	5	12					1	MG/L	LBS			
b. Chemical Oxygen Demand (COD)	<10	<25					1	MG/L	LBS			
c. Total Organic Carbon (TOC)	1.2	3.0					1	MG/L	LBS			
d. Total Suspended Solids (TSS)	10.2	25.5	3.1	5.2	3.1	1.3	157	MG/L	LBS			
e. Ammonia (as N)	<0.1	<0.2					1	MG/L	LBS			
f. Flow	VALUE 300000		VALUE 200000		VALUE 51700		1095	GPD	—	VALUE		
g. Temperature (winter)	VALUE 15		VALUE		VALUE		EST	°C		VALUE		
h. Temperature (summer)	VALUE 30		VALUE		VALUE		EST	°C		VALUE		
i. pH	MINIMUM 6.5	MAXIMUM 8.0	MINIMUM 6.5	MAXIMUM 8.0			1095	STANDARD UNITS				

PART B Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		<2	<5					1	MG/L	LBS			
b. Chlorine, Total Residual		X	<0.05	<0.12					1	MG/L	LBS			
c. Color	X													
d. Fecal Coliform		X	<1	<2					1	CFU/100ML	—			
e. Fluoride (16984-48-8)	X		0.38	0.95					1	MG/L	LBS			
f. Nitrate-Nitrite (as N)	X		0.32	0.80					1	MG/L	LBS			

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. RECEIVED		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. RECEIVED	b. RECEIVED	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		1.2	3.0					1	MG/L	LBS			
h. Oil and Grease	X		14.7	36.8	<5	<8	2.5	1.1	157	MG/L	LBS			
i. Phosphorus (as P), Total (7723-14-0)	X		<0.01	<0.02					1	MG/L	LBS			
j. Radioactivity														
(1) Alpha Total		X												
(2) Beta Total		X												
(3) Radium Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO ₄) (14808-79-8)	X		420	1051					1	MG/L	LBS			
l. Sulfide (as S)		X	<1	<2.5					1					
m. Sulfite (as SO ₃) (14266-45-3)		X	<0.2	<0.5					1					
n. Surfactants	X		<0.02	<0.05					1					
o. Aluminum, Total (7429-90-5)	X		<0.3	<0.8					1					
p. Barium, Total (7440-39-3)	X		<0.4	<1.0					1					
q. Boron, Total (7440-42-8)	X		0.14	0.35					1					
r. Cobalt, Total (7440-48-4)	X		<0.02	<0.05					1					
s. Iron, Total (7439-89-6)	X		0.9	2.2	0.5	0.8	0.5	0.2	157					
t. Magnesium, Total (7439-95-4)	X		6.6	16.5					1					
u. Molybdenum, Total (7439-98-7)	X		0.73	1.8					1					
v. Manganese, Total (7439-96-5)	X		<0.006	<0.015					1					
w. Tin, Total (7440-31-5)	X		<0.04	<0.10					1					
x. Titanium, Total (7440-32-6)	X		<0.2	<0.5					1					

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CONTINUED FROM PAGE 3 OF FORM 2-C

PART C If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT								4. UNITS		5. INTAKE (optional)			
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVG. VALUE (If available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES		
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS			
METALS, CYANIDE, AND TOTAL PHENOLS																	
1M. Antimony, Total (7440-36-0)	X			<0.02	<0.05					1	MG/L	LBS					
2M. Arsenic, Total (7440-38-2)				<0.004	<0.010					1							
3M. Beryllium, Total (7440-41-7)				<0.005	<0.012					1							
4M. Cadmium, Total (7440-43-9)				<0.005	<0.012					1							
5M. Chromium, Total (7440-47-3)				<0.04	<0.10					1							
6M. Copper, Total (7440-50-8)				0.2	<0.5	0.08	0.13	0.08	0.03	157							
7M. Lead, Total (7439-92-1)				<0.01	<0.02					1							
8M. Mercury, Total (7439-97-6)				<0.0002	<0.0005					1							
9M. Nickel, Total (7440-02-0)				<0.01	<0.02					1							
10M. Selenium, Total (7782-49-2)				0.016	0.040					1							
11M. Silver, Total (7440-22-4)				<0.004	<0.010					1							
12M. Thallium, Total (7440-28-0)				<0.04	<0.10					1							
13M. Zinc, Total (7440-66-6)				0.01	0.02					1							
14M. Cyanide, Total (57-12-5)				<0.01	<0.02					1							
15M. Phenols, Total				<0.05	<0.12					1							

DIOXIN

2,3,7,8-Tetra-
chlorodibenzo-P
Dioxin (1764-01-6)

X

DESCRIBE RESULTS

CONTINUED FROM

FRONT

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK X			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	TESTING EQUIP. USED	D. BELIEVED PRESENT	C. BELIEVED ASSENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (If available)		C. LONG TERM AVG. VALUE (If available)		U. NO. OF ANALYSES	B. CONCENTRATION	D. MASS	B. LONG TERM AVERAGE VALUE		D. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			<10	<0.02					1	UG/L	LBS			
2V. Acrylonitrile (107-13-1)	X			<10	<0.02					1	UG/L	LBS			
3V. Benzene (71-43-2)	X			<5	<0.01					1	UG/L	LBS			
4V. Bis (Chloromethyl) Ether (542-88-1)	TESTING NOT REQUIRED														
5V. Bromoform (75-25-2)	X			<5	<0.01					1	UG/L	LBS			
6V. Carbon Tetrachloride (56-23-5)	X			<5						1	UG/L	LBS			
7V. Chlorobenzene (108-90-7)	X			<5						1	UG/L	LBS			
8V. Chlorodibromomethane (124-48-1)	X			<5						1	UG/L	LBS			
9V. Chloroethane (75-00-3)	X			<5						1	UG/L	LBS			
10V. 2-Chloroethylvinyl Ether (110-75-8)	X			<5						1	UG/L	LBS			
11V. Chloroform (67-66-3)	X			<5						1	UG/L	LBS			
12V. Dichlorobromomethane (75-27-4)	X			<5	Y					1	UG/L	LBS			
13V. Dichlorodifluoromethane (75-71-8)	TESTING NOT REQUIRED														
14V. 1,1-Dichloroethane (75-34-3)	X			<5	<0.01					1	UG/L	LBS			
15V. 1,2-Dichloroethane (107-06-2)	X			<5						1	UG/L	LBS			
16V. 1,1-Dichloroethylene (75-35-4)	X			<5						1	UG/L	LBS			
17V. 1,2-Dichloropropane (78-07-8)	X			<5						1	UG/L	LBS			
18V. 1,3-Dichloropropene (542-75-6)	X			<5						1	UG/L	LBS			
19V. Ethylbenzene (100-41-4)	X			<5						1	UG/L	LBS			
20V. Methyl Bromide (74-83-9)	X			<5						1	UG/L	LBS			
21V. Methyl Chloride (74-87-3)	X			<5	Y					1	UG/L	LBS			

CONTINUED FROM PAGE 4

EPA I.D. NUMBER (copy from Item 1 of Form 1)

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OUTFALL NUMBER

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POLLUTANT AND CAS NUMBER (If available)	TESTING REQUIRED	MARKED PRESENT	MARKED ABSENT	3. EFFLUENT				4. UNITS		5. INTAKE (op)					
				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVG. VALUE (If available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
C/MS FRACTION - VOLATILE COMPOUNDS (continued)															
2V. Methylene chloride (75-09-2)	X			< 5	< 0.01					1	UG/L	LBS			
3V. 1,1,2,2-Tetrachloroethane (79-34-5)	X			< 5						1	UG/L	LBS			
4V. Tetrachloroethylene (127-18-4)	X			< 5						1	UG/L	LBS			
5V. Toluene (108-88-3)	X			< 5						1	UG/L	LBS			
6V. 1,2-Dichloroethylene (156-60-5)	X			< 5						1	UG/L	LBS			
27V. 1,1,1-Trichloroethane (71-55-6)	X			< 5						1	UG/L	LBS			
28V. 1,1,2-Trichloroethane (79-00-5)	X			< 5						1	UG/L	LBS			
29V. Trichloroethylene (79-01-6)	X			< 5						1	UG/L	LBS			
30V. Trichlorofluoromethane (75-69-4)	X			< 5						1	UG/L	LBS			
31V. Vinyl Chloride (75-01-4)	X			< 5						1	UG/L	LBS			
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-67-8)	X			< 10	< 0.02					1	UG/L	LBS			
2A. 2,4-Dichlorophenol (120-83-2)	X			< 10						1	UG/L	LBS			
3A. 2,4-Dimethylphenol (105-67-9)	X			< 10						1	UG/L	LBS			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X			< 10						1	UG/L	LBS			
5A. 2,4-Dinitrophenol (51-28-5)	X			< 10						1	UG/L	LBS			
6A. 2-Nitrophenol (88-75-5)	X			< 10						1	UG/L	LBS			
7A. 4-Nitrophenol (100-02-7)	X			< 10						1	UG/L	LBS			
8A. P-Chloro-M-Cresol (59-50-7)	X			< 10						1	UG/L	LBS			
9A. Pentachlorophenol (87-86-5)	X			< 10						1	UG/L	LBS			
10A. Phenol (108-95-2)	X			< 10						1	UG/L	LBS			
11A. 2,4,6-Trichlorophenol (88-06-2)	X			< 10						1	UG/L	LBS			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT						4. UNITS			5. INTAKE (optional)		
	TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	8. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (If available)		C. LONG TERM AVG. VALUE (If available)		d. NO. OF ANALYSES	8. CONCENTRATION	b. MASS	7. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(1) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X			<10	<0.02					1	UG/L	LBS			
2B. Acenaphthylene (208-96-8)	X			<10	<0.02					1	UG/L	LBS			
3B. Anthracene (120-12-7)	X			<10	<0.02					1	UG/L	LBS			
4B. Benzidine (92-87-5)	X			<20	<0.05					1	UG/L	LBS			
5B. Benzo (a) Anthracene (56-55-3)	X			<10	<0.02					1	UG/L	LBS			
6B. Benzo (a) Pyrene (50-32-8)	X			<10						1	UG/L	LBS			
7B. 3,4-Benzo-fluoranthene (205-99-2)	X			<10						1	UG/L	LBS			
8B. Benzo (ghi) Perylene (191-24-2)	X			<10						1	UG/L	LBS			
9B. Benzo (k) Fluoranthene (207-08-9)	X			<10						1	UG/L	LBS			
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	X			<10						1	UG/L	LBS			
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X			<10						1	UG/L	LBS			
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	X			<10						1	UG/L	LBS			
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X			<10						1	UG/L	LBS			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X			<10						1	UG/L	LBS			
15B. Butyl Benzyl Phthalate (85-68-7)	X			<10						1	UG/L	LBS			
16B. 2-Chloronaphthalene (91-58-7)	X			<10						1	UG/L	LBS			
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	X			<10						1	UG/L	LBS			
18B. Chrysene (218-01-9)	X			<10						1	UG/L	LBS			
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			<10						1	UG/L	LBS			
20B. 1,2-Dichlorobenzene (95-50-1)	X			<10						1	UG/L	LBS			
21B. 1,3-Dichlorobenzene (541-73-1)	X			<10						1	UG/L	LBS			

CONTINUED FROM

GE V-6

EPA I.D. NUMBER (copy from Item 1 of Form 1)

NHD 000842666

OUTFALL NUMBER

016/017

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1. POLLUTANT AND CAS NUMBER (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST-ING RE-QUIR-ED	B. BE- LIEVED PRE- SENT	C. BE- LIEVED AB- SENT	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVRG. VALUE (if available)		D. NO. OF ANAL- YSES	E. CON- CENTRATION	F. MASS	G. LONG TERM AVERAGE VALUE		H. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichloro- benzene (106-46-7)	X			<10	<0.02					1	UG/L	LBS			
23B. 3,3'-Dichloro- benzidine (91-94-1)	X			<10						1	UG/L	LBS			
24B. Diethyl Phthalate (84-66-2)	X			<10						1	UG/L	LBS			
25B. Dimethyl Phthalate (131-11-3)	X			<10						1	UG/L	LBS			
26B. DI-N-Butyl Phthalate (84-74-2)	X			<10						1	UG/L	LBS			
27B. 2,4-Dinitro- toluene (121-14-2)	X			<10						1	UG/L	LBS			
28B. 2,6-Dinitro- toluene (606-20-2)	X			<10						1	UG/L	LBS			
29B. DI-N-Octyl Phthalate (117-84-0)	X			<10						1	UG/L	LBS			
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)	X			<10						1	UG/L	LBS			
31B. Fluoranthene (206-44-0)	X			<10						1	UG/L	LBS			
32B. Fluorene (86-73-7)	X			<10						1	UG/L	LBS			
33B. Hexachlorobenzene (118-74-1)	X			<10						1	UG/L	LBS			
34B. Hexa- chlorobutadiene (87-68-3)	X			<10						1	UG/L	LBS			
35B. Hexachloro- cyclopentadiene (77-47-4)	X			<10						1	UG/L	LBS			
36B. Hexachloro- ethane (67-72-1)	X			<10						1	UG/L	LBS			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			<10						1	UG/L	LBS			
38B. Isophorone (78-59-1)	X			<10						1	UG/L	LBS			
39B. Naphthalene (91-20-3)	X			<10						1	UG/L	LBS			
40B. Nitrobenzene (98-95-3)	X			<10						1	UG/L	LBS			
41B. N-Nitro- sodimethylamine (62-78-9)	X			<10						1	UG/L	LBS			
42B. N-Nitrosodi- N-Propylamine (621-64-7)	X			<10						1	UG/L	LBS			

CONTINUED FROM

PAGE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST-ING RE-QUIRED	B. BE-LIEVED PRE-SENT	C. BE-LIEVED AD-DED	B. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL-YSES	a. CONCENTRATION	b. MASS	B. LONG TERM AVERAGE VALUE		b. NO. C ANAL YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro-sodiphenylamine (86-30-6)	X			<10	<0.02					1	UG/L	LBS			
44B. Phenanthrene (85-01-8)	X			<10	<0.02					1	UG/L	LBS			
45B. Pyrene (129-00-0)	X			<10	<0.02					1	UG/L	LBS			
46B. 1,2,4 - Tri-chlorobenzene (120-82-1)	X			<10	<0.02					1	UG/L	LBS			
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α -BHC (319-84-6)			X												
3P. β -BHC (319-85-7)			X												
4P. γ -BHC (58-89-9)			X												
5P. δ -BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α -Endosulfan (115-29-7)			X												
12P. β -Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

CONTINUED FROM PAGE V-8

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NHD00084266	016 / 017

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	TESTING REQUIRED	D. BELIEVED PRESENT	C. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

PAGE V-9

Outfall 018

Effluent consists partially of stormwater and heater condensate drips from the Newington Tank Farm that drain through a valved oil/water separator. The remainder of the discharge is stormwater runoff from the Schiller Station wood storage yard and other yard drainage areas. Effluent samples are collected at the final catch basin before the piping drops below ground. Roof drains from the Unit 5 wood boiler and Waste Treatment Plant #2 are piped in downstream from the monitoring location. Flows are estimated based upon the time of discharge from the oil/water separator, drainage area, rainfall and steam used. Rainfall pH is also recorded to compare to effluent readings. Based upon historical compliance, PSNH requests the monitoring frequency be reduced to quarterly and the pH sampling be reduced to a single grab. A fully completed Form 2C is enclosed.

PLEASE PRINT OF THE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO.

018

PART A You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS					
a. Biochemical Oxygen Demand (BOD)	5	25					1	MG/L	LBS		
b. Chemical Oxygen Demand (COD)	<10	<50					1	MG/L	LBS		
c. Total Organic Carbon (TOC)	<5	<25					1	MG/L	LBS		
d. Total Suspended Solids (TSS)	<10	<50					1	MG/L	LBS		
e. Ammonia (as N)	<0.1	<0.5					1	MG/L	LBS		
f. Flow	VALUE 605000	VALUE 200000	VALUE 8700				1095	GPD	—	VALUE	
g. Temperature (winter)	VALUE 12	VALUE	VALUE				EST	°C		VALUE	
h. Temperature (summer)	VALUE 26	VALUE	VALUE				EST	°C		VALUE	
i. pH	MINIMUM 5.7	MAXIMUM 7.7	MINIMUM 5.7	MAXIMUM 7.7			37	STANDARD UNITS			

PART B Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION (2) MASS	b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS					
a. Bromide (24959-67-9)	X		<2	<10					1	MG/L	LBS		
b. Chlorine, Total Residual		X	<0.05	<0.25					1	MG/L	LBS		
c. Color	X												
d. Fecal Coliform		X	<1	<5					1	CFU/100ML	—		
e. Fluoride (16984-48-8)	X		0.3	1.5					1	MG/L	LBS		
f. Nitrate-Nitrite (as N)	X		0.33	1.7					1	MG/L	LBS		

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)		2. RECEIVED PRE-SENT		3. EFFLUENT		4. LONG TERM AVG. VALUE (if available)		5. NO. OF ANALYSES		6. UNITS		7. INTAKE (optional)		8. NO. OF ANALYSES	
				B. MAXIMUM DAILY VALUE		C. MAXIMUM 30 DAY VALUE (if available)		D. LONG TERM AVG. VALUE (if available)		E. CONCENTRATION		F. LONG TERM AVERAGE VALUE		G. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			(1) CONCENTRATION	(2) MASS		
g. Nitrogen, Total Organic (as N) (7149-27-2)		X		<0.5	<2.5					1	MG/L	LBS			
h. Oil and Grease		X		12.4	62.6	<5	<8	<5	<0.4	37	MG/L	LBS			
i. Phosphorus (as P), Total (7723-14-0)		X		0.01	0.05					1	MG/L	LBS			
j. Radioactivity															
(1) Alpha, Total			X												
(2) Beta, Total			X												
(3) Radium, Total			X												
(4) Radium 226, Total			X												
k. Sulfate (as SO ₄) (14808-79-8)		X		46	232					1	MG/L	LBS			
l. Sulfide (as S)			X	<1	<5										
m. Sulfite (as SO ₃) (14265-45-3)			X	<0.2	<1.0										
n. Surfactants		X		<0.02	<0.10										
o. Aluminum, Total (7429-90-5)		X		<0.3	<1.5										
p. Barium, Total (7440-39-3)		X		<0.4	<2.0										
q. Boron, Total (7440-42-8)		X		0.06	0.30										
r. Cobalt, Total (7440-48-4)		X		<0.02	<0.10										
s. Iron, Total (7439-89-6)		X		0.06	0.30										
t. Magnesium, Total (7439-95-4)		X		0.49	2.47										
u. Molybdenum, Total (7439-98-7)		X		<0.08	<0.40										
v. Manganese, Total (7439-96-5)		X		<0.006	<0.030										
w. Tin, Total (7440-31-5)		X		<0.04	<0.20										
x. Titanium, Total (7440-32-6)		X		<0.2	<1.0										

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CONTINUED FROM PAGE 3 OF FORM 2-C

PART C If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4,6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. RECEIVED IF PRESENT	c. USE-LEVEL AG-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. ANALYSE
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			<0.02	<0.10					1	MG/L	LBS			
2M. Arsenic, Total (7440-38-2)				<0.004	<0.020										
3M. Beryllium, Total (7440-41-7)				<0.005	<0.025										
4M. Cadmium, Total (7440-43-9)				<0.005	<0.025										
5M. Chromium, Total (7440-47-3)				<0.04	<0.20										
6M. Copper, Total (7440-50-8)				<0.005	<0.025										
7M. Lead, Total (7439-92-1)				<0.01	<0.05										
8M. Mercury, Total (7439-97-6)				0.0002	0.0010										
9M. Nickel, Total (7440-02-0)				<0.01	<0.05										
10M. Selenium, Total (7782-49-2)				<0.005	<0.025										
11M. Silver, Total (7440-22-4)				<0.004	<0.020										
12M. Thallium, Total (7440-28-0)				<0.04	<0.20										
13M. Zinc, Total (7440-66-6)				0.042	0.212										
14M. Cyanide, Total (57-12-6)				<0.01	<0.05										
15M. Phenols, Total				<0.05	<0.25										
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM E FRONT

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK			3. EFFLUENT				4. UNITS			5. INTAKE (optional)				
	TESTING QUIN EQU	L. RE- LIEVED PHE- SENT	C. RE- LIEVED AS- SENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (If available)		C. LONG TERM AVERAGE VALUE (If available)		U. NO. OF ANAL- YSES	B. CONCENTRATION	D. MASS	A. LONG TERM AVERAGE VALUE		D. NC IAH YS
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			<10	<0.05					1	UG/L	LBS			
2V. Acrylonitrile (107-13-1)	X			<10	<0.05					1	UG/L	LBS			
3V. Benzene (71-43-2)	X			<5	<0.02					1	UG/L	LBS			
4V. Bis (Chloro- methyl) Ether (542-88-1)	TESTING NOT REQUIRED														
5V. Bromoform (75-25-2)	X			<5	<0.02					1	UG/L	LBS			
6V. Carbon Tetrachloride (56-23-5)	X			<5						1	UG/L	LBS			
7V. Chlorobenzene (108-90-7)	X			<5						1	UG/L	LBS			
8V. Chloro- bromomethane (124-48-1)	X			<5						1	UG/L	LBS			
9V. Chloroethane (75-00-3)	X			<5						1	UG/L	LBS			
10V. 2-Chloro- ethylvinyl Ether (110-76-8)	X			<5						1	UG/L	LBS			
11V. Chloroform (67-66-3)	X			<5						1	UG/L	LBS			
12V. Dichloro- bromomethane (75-27-4)	X			<5						1	UG/L	LBS			
13V. Dichloro- difluoromethane (75-71-8)	TESTING NOT REQUIRED														
14V. 1,1-Dichloro- ethane (75-34-3)	X			<5	<0.02					1	UG/L	LBS			
15V. 1,2-Dichloro- ethane (107-06-2)	X			<5						1	UG/L	LBS			
16V. 1,1-Dichloro- ethylene (75-35-4)	X			<5						1	UG/L	LBS			
17V. 1,2-Dichloro- propane (78-87-5)	X			<5						1	UG/L	LBS			
18V. 1,3-Dichloro- propylene (542-75-6)	X			<5						1	UG/L	LBS			
19V. Ethylbenzene (100-41-4)	X			<5						1	UG/L	LBS			
20V. Methyl Bromide (74-83-9)	X			<5						1	UG/L	LBS			
21V. Methyl Chloride (74-87-3)	X			<5						1	UG/L	LBS			

CONTINUED FRC

AGE V-4

EPA I.D. NUMBER (copy from Item 1 of Form 1)

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OUTFALL NUMBER

018

Form approved:

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1. POLLUTANT AND CAS NUMBER (If available)	2. MARK X			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVRG. VALUE (If available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)	X			< 5	< 0.02					1	UG/L	LBS			
23V. 1,1,2,2-Tetrachloroethane (79-34-6)	X			< 5						1	UG/L	LBS			
24V. Tetrachloroethylene (127-18-4)	X			< 5						1	UG/L	LBS			
25V. Toluene (108-88-3)	X			< 5						1	UG/L	LBS			
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X			< 5						1	UG/L	LBS			
27V. 1,1,1-Trichloroethane (71-55-6)	X			< 5						1	UG/L	LBS			
28V. 1,1,2-Trichloroethane (79-00-5)	X			< 5						1	UG/L	LBS			
29V. Trichloroethylene (79-01-6)	X			< 5						1	UG/L	LBS			
30V. Trichlorofluoromethane (75-69-4)	X			< 5						1	UG/L	LBS			
31V. Vinyl Chloride (75-01-4)	X			< 5						1	UG/L	LBS			
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X			< 10	< 0.05					1	UG/L	LBS			
2A. 2,4-Dichlorophenol (120-83-2)	X			< 10						1	UG/L	LBS			
3A. 2,4-Dimethylphenol (105-67-9)	X			< 10						1	UG/L	LBS			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X			< 10						1	UG/L	LBS			
5A. 2,4-Dinitrophenol (51-28-5)	X			< 10						1	UG/L	LBS			
6A. 2-Nitrophenol (88-75-5)	X			< 10						1	UG/L	LBS			
7A. 4-Nitrophenol (100-02-7)	X			< 10						1	UG/L	LBS			
8A. P-Chloro-M-Cresol (59-50-7)	X			< 10						1	UG/L	LBS			
9A. Pentachlorophenol (87-86-5)	X			< 10						1	UG/L	LBS			
10A. Phenol (108-95-2)	X			< 10						1	UG/L	LBS			
11A. 2,4,6-Trichlorophenol (88-06-2)	X			< 10						1	UG/L	LBS			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT				4. UNITS				5. INTAKE (optional)			
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (If available)		C. LONG TERM AVG. VALUE (If available)		d. NO. OF ANALYSES	B. CONCENTRATION	D. MASS	A. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-0)	X			<10	<0.05					1	UG/L	LBS			
2B. Acenaphthylene (208-96-8)	X			<10	<0.05					1	UG/L	LBS			
3B. Anthracene (120-12-7)	X			<10	<0.05					1	UG/L	LBS			
4B. Benzidine (92-87-5)	X			<20	<0.10					1	UG/L	LBS			
5B. Benzo (a) Anthracene (56-55-3)	X			<10	<0.05					1	UG/L	LBS			
6B. Benzo (a) Pyrene (50-32-8)	X			<10						1	UG/L	LBS			
7B. 3,4-Benzo-fluoranthene (205-99-2)	X			<10						1	UG/L	LBS			
8B. Benzo (ghi) Perylene (191-24-2)	X			<10						1	UG/L	LBS			
9B. Benzo (k) Fluoranthene (207-08-9)	X			<10						1	UG/L	LBS			
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	X			<10						1	UG/L	LBS			
11B. Bis (2-Chloroethyl) Ether (111-44-4)	X			<10						1	UG/L	LBS			
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	X			<10						1	UG/L	LBS			
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X			<10						1	UG/L	LBS			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X			<10						1	UG/L	LBS			
15B. Butyl Benzyl Phthalate (85-68-7)	X			<10						1	UG/L	LBS			
16B. 2-Chloronaphthalene (91-58-7)	X			<10						1	UG/L	LBS			
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	X			<10						1	UG/L	LBS			
18B. Chrysene (218-01-9)	X			<10						1	UG/L	LBS			
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			<10						1	UG/L	LBS			
20B. 1,2-Dichlorobenzene (95-50-1)	X			<10						1	UG/L	LBS			
21B. 1,3-Dichlorobenzene (541-73-1)	X			<10						1	UG/L	LBS			

CONTINUED FROM

PAGE V-6

EPA I.D. NUMBER (copy from Item 1 of Form 1)

OUTFALL NUMBER

NHD000842661

018

Form Approved.

OMB No. 2040-0086

Approval expires 7-31-88

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT				4. UNITS		5. INTAKE (optional)					
	A. TEST REQUIRED	B. BE- LIEVED PRE- SENT	C. BE- LIEVED AB- SENT	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVERAGE VALUE (if available)		D. NO. OF ANAL- YSES	A. CONCENTRATION		B. LONG TERM AVERAGE VALUE		D. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)	X			<10	<0.05					1	UG/L	LBS			
23B. 3,3'-Dichlorobenzidine (91-94-1)	X			<10						1	UG/L	LBS			
24B. Diethyl Phthalate (84-66-2)	X			<10						1	UG/L	LBS			
25B. Dimethyl Phthalate (131-11-3)	X			<10						1	UG/L	LBS			
26B. Di-N-Butyl Phthalate (84-74-2)	X			<10						1	UG/L	LBS			
27B. 2,4-Dinitrotoluene (121-14-2)	X			<10						1	UG/L	LBS			
28B. 2,6-Dinitrotoluene (606-20-2)	X			<10						1	UG/L	LBS			
29B. Di-N-Octyl Phthalate (117-84-0)	X			<10						1	UG/L	LBS			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)				<10						1	UG/L	LBS			
31B. Fluoranthene (206-44-0)	X			<10						1	UG/L	LBS			
32B. Fluorene (86-73-7)	X			<10						1	UG/L	LBS			
33B. Hexachlorobenzene (118-74-1)	X			<10						1	UG/L	LBS			
34B. Hexachlorobutadiene (87-68-3)	X			<10						1	UG/L	LBS			
35B. Hexachlorocyclopentadiene (77-47-4)	X			<10						1	UG/L	LBS			
36B. Hexachloroethane (67-72-1)	X			<10						1	UG/L	LBS			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			<10						1	UG/L	LBS			
38B. Isophorone (78-59-1)	X			<10						1	UG/L	LBS			
39B. Naphthalene (91-20-3)	X			<10						1	UG/L	LBS			
40B. Nitrobenzene (98-95-3)	X			<10						1	UG/L	LBS			
41B. N-Nitrosodimethylamine (62-75-9)	X			<10						1	UG/L	LBS			
42B. N-Nitrosodimethylamine (62-75-9)	X			<10						1	UG/L	LBS			

CONTINUED FROM PAGE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST- ING RE- QUIR- ED	B. BE- LIEVED PRE- SENT	C. BE- LIEVED AB- SENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANAL- YSES	B. CONCENTRATION	D. MASS	E. LONG TERM AVERAGE VALUE		D. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro-sodiphenylamine (86-30-6)	X			<10	<0.05					1	UG/L	LBS			
44B. Phenanthrene (85-01-8)	X			<10	<0.05					1	UG/L	LBS			
45B. Pyrene (129-00-0)	X			<10	<0.05					1	UG/L	LBS			
46B. 1,2,4 - Trichlorobenzene (120-82-1)	X			<10	<0.05					1	UG/L	LBS			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α -BHC (319-84-6)			X												
3P. β -BHC (319-85-7)			X												
4P. γ -BHC (58-89-9)			X												
5P. δ -BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-65-9)			X												
9P. 4,4'-DDD (72-64-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α -Endosulfan (115-29-7)			X												
12P. β -Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

1. POLLUTANT AND CAS NUMBER (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. DESIGNATED PRESENT	c. DESIGNATED ABSENT	b. MAXIMUM DAILY VALUE		d. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	b. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

Outfalls 020, 021/022

These outfalls represent river water that is used to backwash the rotating screens in the cooling water intake structures (CWIS). The screens remove river debris and require regular cleaning to ensure unrestricted water passage. This is accomplished by spraying water through the screens and sluicing the leaves, branches, etc. back to the river. The regularity of washing is dependent upon river conditions. Worst case, the wash could occur for six hours in a day with a pump rated at 300 gpm. Outfall 020 serves Unit 4, 021 is Unit 5 and 022 discharges from Unit 6. Since Outfalls 021 and 022 actually discharge from the same location, PSNH requests they be combined into a single outfall. Flows are estimated based upon pump run times. One fully completed Form 2C is enclosed.

There are a few other inconsequential discharges associated with the operation of the CWIS. The discharges are relatively minor and present little or no additional loading to the river. Most of the water is discharged down into the screen wells and pumped back into the station condensers. The flows have never been quantified and no samples have been collected. PSNH requests the activities be cited in the permit to allow the operations to continue. This summary of the discharges is provided:

- **Floor Sump in #2 CWIS:** Includes routine water leakage from pump seals, river water, etc.
- **Stormwater:** Both CWIS discharge roof drains and the #2 Screenhouse receives a considerable amount of rainwater via a pipe trench that enters the building.
- **Screenwell/Inlet Tunnel Drain:** On rare occasions the screenwells and tunnels are dewatered to permit routine inspection and maintenance. This activity requires the inlet water to be drained and eventually pumped back to the river.
- **Steam Drips:** In cold weather station steam is used to heat the screenhouses and is sprayed on the screens to prevent them from freezing.
- **Fire Pumps:** Located in #2 CWIS, these pumps must be tested annually for approximately one hour and water is sprayed directly into the river. Each pump is rated at 3,000 gpm.

PLEASE PRINT OF
this information on
SEE INSTRUCTIONS.

PE IN THE UNSHADED AREAS ONLY. You may report some or all of
ate sheets (use the same format) instead of completing these pages.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

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V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL N
020
021/022

PART A You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT								3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
a. Biochemical Oxygen Demand (BOD)	7	6					1	MG/L	LBS	X			
b. Chemical Oxygen Demand (COD)	370	333					1	MG/L	LBS	X			
c. Total Organic Carbon (TOC)	<5	<4					1	MG/L	LBS	X			
d. Total Suspended Solids (TSS)	<10	<9					1	MG/L	LBS	X			
e. Ammonia (as N)	<0.1	<0.1					1	MG/L	LBS	X			
f. Flow	VALUE 108000		VALUE 108000		VALUE 8400		1095	GPD	—	VALUE			
g. Temperature (winter)	VALUE 13		VALUE		VALUE		EST	°C		VALUE			
h. Temperature (summer)	VALUE 21		VALUE		VALUE		EST	°C		VALUE			
i. pH	MINIMUM 7.8	MAXIMUM 8.2	MINIMUM 7.8	MAXIMUM 8.2			2	STANDARD UNITS					

PART B Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
a. Bromide (24959-67-9)	X		<2	<2					1	MG/L	LBS	X			
b. Chlorine, Total Residual		X	<0.05	<0.04					1	MG/L	LBS				
c. Color	X											X			
d. Fecal Coliform	X		<1	<0.9					1	CFU/100ML	—	X			
e. Fluoride (16984-48-8)	X		0.44	0.40					1	MG/L	LBS	X			
f. Nitrate-Nitrite (as N)	X		<0.1	<0.1					1	MG/L	LBS	X			

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND GAS NO. (if available)	2. PRE-SENT	3. EFFLUENT	4. UNITS		5. INTAKE (optional)		6. NO. OF ANALYSES	7. CONCENTRATION	8. MASS	9. LONG TERM AVERAGE VALUE	10. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS					
g. Nitrogen, Total Organic (as N)	X		<0.5	<0.4			1	MG/L	LBS	X	
h. Oil and Grease	X		<5	<4			1	MG/L	LBS	X	
i. Phosphorus (as P), Total (7723-14-0)	X		0.015	0.014			1	MG/L	LBS	X	
j. Radioactivity											
(1) Alpha, Total		X									
(2) Beta, Total		X									
(3) Radium, Total		X									
(4) Radium 226, Total		X									
k. Sulfate (as SO ₄) (14808-79-8)	X		580	523			1	MG/L	LBS	X	
l. Sulfide (as S)	X		<1	<0.9			1	MG/L	LBS	X	
m. Sulfite (as SO ₃) (14266-46-3)	X		<0.2	<0.2			1	MG/L	LBS	X	
n. Surfactants	X		<0.02	<0.02			1	MG/L	LBS	X	
o. Aluminum, Total (7429-90-5)	X		<0.3	<0.3			1	MG/L	LBS	X	
p. Barium, Total (7440-39-3)	X		<0.4	<0.4			1	MG/L	LBS	X	
q. Boron, Total (7440-42-8)	X		3.38	3.05			1	MG/L	LBS	X	
r. Cobalt, Total (7440-48-4)	X		<0.02	<0.02			1	MG/L	LBS	X	
s. Iron, Total (7439-89-6)	X		<0.02	<0.02			1	MG/L	LBS	X	
t. Magnesium, Total (7439-96-4)	X		1200	1081			1	MG/L	LBS	X	
u. Molybdenum, Total (7439-98-7)	X		<0.08	<0.07			1	MG/L	LBS	X	
v. Manganese, Total (7439-96-5)	X		0.07	0.06			1	MG/L	LBS	X	
w. Tin, Total (7440-31-5)	X		<0.04	<0.04			1	MG/L	LBS	X	
x. Titanium, Total (7440-32-6)	X		<0.2	<0.2			1	MG/L	LBS	X	

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CONTINUED FROM PAGE 3 OF FORM 2-C

PART C If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4,6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS	5. INTAKE (optional)				
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS					(1) CONCENTRATION	(2) MASS
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			<0.02	<0.02					1	MG/L	LBS			
2M. Arsenic, Total (7440-38-2)	X			<0.004	<0.004					1	MG/L	LBS			
3M. Beryllium, Total (7440-41-7)	X			<0.005	<0.004					1	MG/L	LBS			
4M. Cadmium, Total (7440-43-9)	X			<0.005	<0.004					1	MG/L	LBS			
5M. Chromium, Total (7440-47-3)	X			<0.04	<0.04					1	MG/L	LBS			
6M. Copper, Total (7440-50-8)	X			0.083	0.075					1	MG/L	LBS	X		
7M. Lead, Total (7439-92-1)	X			<0.01	<0.01					1	MG/L	LBS			
8M. Mercury, Total (7439-97-6)	X			0.0006	0.0005					1	MG/L	LBS	X		
9M. Nickel, Total (7440-02-0)	X			<0.01	<0.01					1	MG/L	LBS			
10M. Selenium, Total (7782-49-2)	X			0.2	0.2					1	MG/L	LBS	X		
11M. Silver, Total (7440-22-4)	X			<0.004	<0.004					1	MG/L	LBS			
12M. Thallium, Total (7440-28-0)	X			<0.04	<0.04					1	MG/L	LBS			
13M. Zinc, Total (7440-66-6)	X			<0.006	<0.005					1	MG/L	LBS			
14M. Cyanide, Total (57-12-5)	X			<0.01	<0.01					1	MG/L	LBS			
15M. Phenols, Total	X			<0.05	<0.04					1	MG/L	LBS			
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-p-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM

E FRONT

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT						4. UNITS			5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (If available)		c. LONG TERM AVG. VALUE (If available)		d. NO. OF ANALYSES	B. CONCENTRATION	D. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			<10	<0.01					1	UG/L	LBS			
2V. Acrylonitrile (107-13-1)	X			<10	<0.01					1	UG/L	LBS			
3V. Benzene (71-43-2)	X			<5	<0.004					1	UG/L	LBS			
4V. Bis (Chloromethyl) Ether (542-88-1)	TESTING NOT REQUIRED														
5V. Bromoform (75-25-2)	X			<5	<0.004					1	UG/L	LBS			
6V. Carbon Tetrachloride (56-23-5)	X			<5						1	UG/L	LBS			
7V. Chlorobenzene (108-90-7)	X			<5						1	UG/L	LBS			
8V. Chlorodibromomethane (124-48-1)	X			<5						1	UG/L	LBS			
9V. Chloroethane (75-00-3)	X			<5						1	UG/L	LBS			
10V. 2-Chloroethylvinyl Ether (110-76-8)	X			<5						1	UG/L	LBS			
11V. Chloroform (67-66-3)	X			<5						1	UG/L	LBS			
12V. Dichlorobromomethane (75-27-4)	X			<5	Y					1	UG/L	LBS			
13V. Dichlorodifluoromethane (75-71-8)	TESTING NOT REQUIRED														
14V. 1,1-Dichloroethane (75-34-3)	X			<5	<0.004					1	UG/L	LBS			
15V. 1,2-Dichloroethane (107-06-2)	X			<5						1	UG/L	LBS			
16V. 1,1-Dichloroethylene (75-35-4)	X			<5						1	UG/L	LBS			
17V. 1,2-Dichloropropane (78-07-6)	X			<5						1	UG/L	LBS			
18V. 1,3-Dichloropropylene (542-75-6)	X			<5						1	UG/L	LBS			
19V. Ethylbenzene (100-41-4)	X			<5						1	UG/L	LBS			
20V. Methyl Bromide (74-83-9)	X			<5						1	UG/L	LBS			
21V. Methyl Chloride (74-87-3)	X			<5	Y					1	UG/L	LBS			

EPA I.D. NUMBER (copy from Item 1 of Form 1)
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OUTFALL NUMBER
 020, 021/022

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CONTINUED FROM

E V-4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK			3. EFFLUENT				4. UNITS		5. INTAKE (optional)					
	A. TEST INGREDIENT GUAR- EED	B. BE- LIEVED PRE- SENT	C. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL- YSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)	X			< 5	< 0.004					1	UG/L	LBS			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X			< 5						1	UG/L	LBS			
24V. Tetrachloroethylene (127-18-4)	X			< 5						1	UG/L	LBS			
25V. Toluene (108-88-3)	X			< 5						1	UG/L	LBS			
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X			< 5						1	UG/L	LBS			
27V. 1,1,1-Trichloroethane (71-55-6)	X			< 5						1	UG/L	LBS			
28V. 1,1,2-Trichloroethane (79-00-5)	X			< 5						1	UG/L	LBS			
29V. Trichloroethylene (79-01-6)	X			< 5						1	UG/L	LBS			
30V. Trichlorofluoromethane (75-69-4)	X			< 5						1	UG/L	LBS			
31V. Vinyl Chloride (75-01-4)	X			< 5						1	UG/L	LBS			
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-67-8)	X			< 10	< 0.01					1	UG/L	LBS			
2A. 2,4-Dichlorophenol (120-83-2)	X			< 10						1	UG/L	LBS			
3A. 2,4-Dimethylphenol (105-67-9)	X			< 10						1	UG/L	LBS			
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X			< 10						1	UG/L	LBS			
5A. 2,4-Dinitrophenol (51-28-5)	X			< 10						1	UG/L	LBS			
6A. 2-Nitrophenol (88-75-5)	X			< 10						1	UG/L	LBS			
7A. 4-Nitrophenol (100-02-7)	X			< 10						1	UG/L	LBS			
8A. P-Chloro-M-Cresol (59-50-7)	X			< 10						1	UG/L	LBS			
9A. Pentachlorophenol (87-86-5)	X			< 10						1	UG/L	LBS			
10A. Phenol (108-95-2)	X			< 10						1	UG/L	LBS			
11A. 2,4,6-Trichlorophenol (88-06-2)	X			< 10						1	UG/L	LBS			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT				4. UNITS				5. INTAKE (optional)			
	TESTING REQUIRED	D. RE- LIVED PRE- SENT	C. RE- LIVED AD- SENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL- YSES	B. CONCEN- TRATION	b. MASS	5. LONG TERM AVERAGE VALUE		b. NO. ANA- LYSE
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-8)	X			<10	<0.01					1	UG/L	LBS			
2B. Acenaphthylene (208-96-8)	X			<10	<0.01					1	UG/L	LBS			
3B. Anthracene (120-12-7)	X			<10	<0.01					1	UG/L	LBS			
4B. Benzidine (92-87-5)	X			<20	<0.02					1	UG/L	LBS			
5B. Benzo (a) Anthracene (56-55-3)	X			<10	<0.01					1	UG/L	LBS			
6B. Benzo (a) Pyrene (50-32-8)	X			<10						1	UG/L	LBS			
7B. 3,4-Benzo- fluoranthene (205-99-2)	X			<10						1	UG/L	LBS			
8B. Benzo (ghi) Perylene (191-24-2)	X			<10						1	UG/L	LBS			
9B. Benzo (h) Fluoranthene (207-08-9)	X			<10						1	UG/L	LBS			
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)	X			<10						1	UG/L	LBS			
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)	X			<10						1	UG/L	LBS			
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	X			<10						1	UG/L	LBS			
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	X			<10						1	UG/L	LBS			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)	X			<10						1	UG/L	LBS			
15B. Butyl Benzyl Phthalate (85-68-7)	X			<10						1	UG/L	LBS			
16B. 2-Chloronaphthalene (91-68-7)	X			<10						1	UG/L	LBS			
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	X			<10						1	UG/L	LBS			
18B. Chrysene (218-01-9)	X			<10						1	UG/L	LBS			
19B. Dibenzo (a,h) Anthracene (53-70-3)	X			<10						1	UG/L	LBS			
20B. 1,2-Dichlorobenzene (95-50-1)	X			<10						1	UG/L	LBS			
21B. 1,3-Dichlorobenzene (541-73-1)	X			<10						1	UG/L	LBS			

CONTINUED FROM

PAGE V-6

EPA I.D. NUMBER (copy from Item 1 of Form 1)

NHD00084266

OUTFALL NUMBER

020,021/022

Form Approved.

OMB No. 2040-0086

Approval expires 7-31-88

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT				4. UNITS	5. INTAKE (optional)					
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ADDED	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)			C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANALYSES	A. LONG TERM AVERAGE VALUE		B. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)														
22B. 1,4-Dichlorobenzene (106-46-7)	X			<10	<0.01					1	UG/L	LBS		
23B. 3,3'-Dichlorobenzidine (91-94-1)	X			<10						1	UG/L	LBS		
24B. Diethyl Phthalate (84-66-2)	X			<10						1	UG/L	LBS		
25B. Dimethyl Phthalate (131-11-3)	X			<10						1	UG/L	LBS		
26B. Di-N-Butyl Phthalate (84-74-2)	X			<10						1	UG/L	LBS		
27B. 2,4-Dinitrotoluene (121-14-2)	X			<10						1	UG/L	LBS		
28B. 2,6-Dinitrotoluene (606-20-2)	X			<10						1	UG/L	LBS		
29B. Di-N-Octyl Phthalate (117-84-0)	X			<10						1	UG/L	LBS		
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X			<10						1	UG/L	LBS		
31B. Fluoranthene (206-44-0)	X			<10						1	UG/L	LBS		
32B. Fluorene (86-73-7)	X			<10						1	UG/L	LBS		
33B. Hexachlorobenzene (118-74-1)	X			<10						1	UG/L	LBS		
34B. Hexachlorobutadiene (87-68-3)	X			<10						1	UG/L	LBS		
35B. Hexachlorocyclopentadiene (77-47-4)	X			<10						1	UG/L	LBS		
36B. Hexachloroethane (67-72-1)	X			<10						1	UG/L	LBS		
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X			<10						1	UG/L	LBS		
38B. Isophorone (78-59-1)	X			<10						1	UG/L	LBS		
39B. Naphthalene (91-20-3)	X			<10						1	UG/L	LBS		
40B. Nitrobenzene (98-95-3)	X			<10						1	UG/L	LBS		
41B. N-Nitrosodimethylamine (62-75-9)	X			<10						1	UG/L	LBS		
42B. N-Nitrosodimethylamine (62-75-9)	X			<10						1	UG/L	LBS		

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	TESTING RE- QUIRED	D. BE- LIEVED PRE- SENT	C. BE- LIEVED AS- SENT	B. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANAL- YSES	B. CONCENTRATION	D. MASS	B. LONG TERM AVERAGE VALUE		D. NO. ANAL- YSE
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitro-sodiphenylamine (86-30-6)	X			<10	<0.01					1	UG/L	LBS			
44B. Phenanthrene (85-01-8)	X			<10	<0.01					1	UG/L	LBS			
45B. Pyrene (129-00-0)	X			<10	<0.01					1	UG/L	LBS			
46B. 1,2,4-Trichlorobenzene (120-82-1)	X			<10	<0.01					1	UG/L	LBS			
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α -BHC (319-84-6)			X												
3P. β -BHC (319-85-7)			X												
4P. γ -BHC (58-89-9)			X												
5P. δ -BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-65-9)			X												
9P. 4,4'-DDD (72-64-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α -Endosulfan (115-29-7)			X												
12P. β -Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

CONTINUED FROM 3E V-8

1. POLLUTANT AND CAS NUMBER (if available)	MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		G. LONG TERM AVG. VALUE (if available)		H. NO. OF ANALYSES	B. CONCENTRATION	D. MASS	B. LONG TERM AVERAGE VALUE		D. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

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Attachment #3

This attachment addresses several miscellaneous issues relevant to the permit issuance.

Intake/Discharge Structures

No changes have been made to the cooling water intake or discharge structures since the original NPDES permit issuance. Impingement and entrainment data indicate that the CWISs continue to employ the best available technology for minimizing adverse environmental impact. The thermal discharge is inconsequential when compared to the vast flows of the Piscataqua estuary. PSNH requests the variance from thermal limitations be continued since the balanced indigenous community of aquatic organisms is clearly protected and maintained.

Polychlorinated Biphenyls (PCBs)

All transformers containing PCBs greater than 500 ppm in concentration have been removed from the station.

Hazardous Wastes

Schiller Station continues to maintain RCRA Subtitle C generator status under permit number NHD000842666. The wastewater treatment plant maintains a limited permit, No. DES-HW-LP-08-03, to allow for the neutralization of corrosive wastewaters. The majority of solvent use is confined to self-contained sinks that are managed by a contractor who recycles the spent material. Small volumes of hazardous wastes are occasionally shipped to permitted RCRA facilities for disposal or recycle.

Stormwater

The majority of the stormwater runoff on the site is commingled with other non-stormwater waters so much of the runoff is regulated under this individual permit. There are areas, however, smaller areas where strictly stormwater is directly discharged, e.g., parking lot catch basins. For this reason, a Stormwater Pollution Prevention Plan has been drafted that encompasses most of the site. Upon finalization, PSNH will file an NOI to cover these outfalls under a Multi-Sector General Permit.

Chemical Treatment

Several chemicals are used to treat water or wastewater within the station. City water must be treated with a carbon filter and demineralizers before it can be used in the boilers. The following chemicals are used to regenerate the demineralizers, along with the maximum annual use for the entire station:

50% Sodium Hydroxide	Less than 20,000 Gallons
93% Sulfuric Acid	Less than 10,000 Gallons

Chemicals are used to treat and neutralize wastewater:

25% Sodium Hydroxide	Less than 1,000 Gallons
93% Sulfuric Acid	Included in the amount above
Polymer	Less than 50 Pounds

The three boilers are treated with the following chemicals, along with the maximum annual use for the entire station:

Phosphate	Less than 500 Gallons
Morpholine	Less than 100 Gallons
Carbohydrazide	Less than 500 Gallons

Phosphate is maintained in the condensate at a concentration of about 3 mg/l while the carbohydrazide is kept between 30 to 50 ug/l. Carbohydrazide is currently being tested as a replacement for hydrazine. Small amounts of morpholine are added to maintain a pH of the boiler condensate in the range of 8.8 to 9.3 SU.

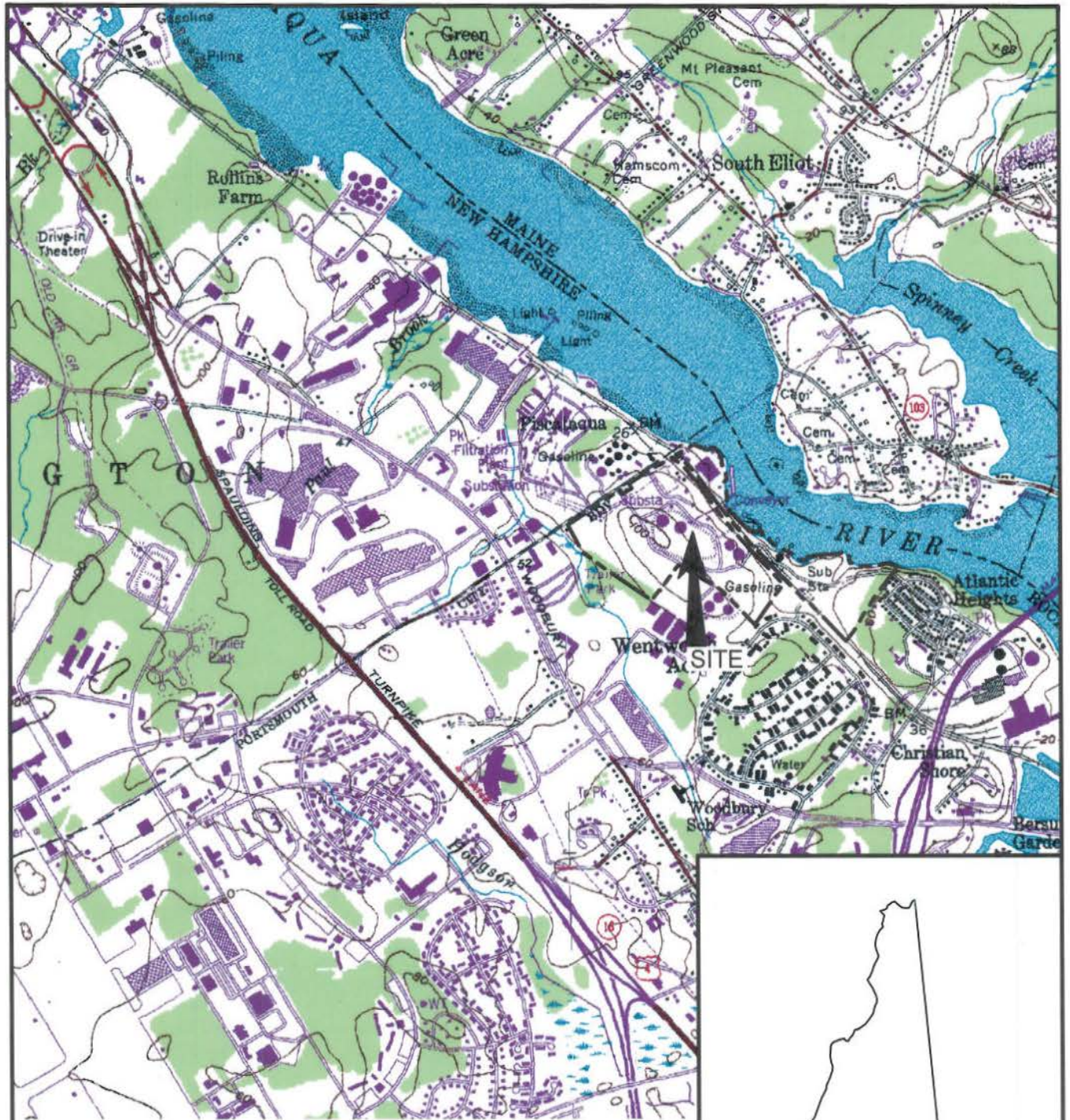
The open cooling water systems are treated with the following chemicals, along with the maximum annual use for the entire station:

15% Sodium Hypochlorite	Less than 13,000 Gals
Defoamer	Less than 2,000 Gals

Attachment #4

Along with a USGS Quadrangle Map and an Aerial Photo of the area, two copies of the following Schiller Station Plans, full size and 11" x 17", are enclosed to complete the application:

- **R-348-603: Schematic of Water Flows (Schiller Station)**
- **R-348-603.1: Schematic of Water Flows (Wastewater Treatment Systems)**
- **R-6521-26A: Overview of Wastewater Treatment Facilities**
- **R-6521-26B: NPDES Site Plan Outfall Locations**
- **56045-20-E-2: P & ID Wastewater System**



Notes:
 Base map taken from 7.5 minute
 USGS Quadrangle Map: Portsmouth,
 New Hampshire-Maine (1956) (photorevised 1988)
 from the New Hampshire Geographically Referenced
 Analysis and Information Transfer System (NH
 GRANIT) website.

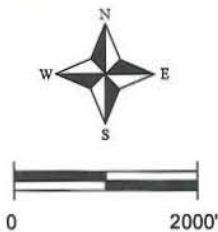


Figure 1
Locus Plan

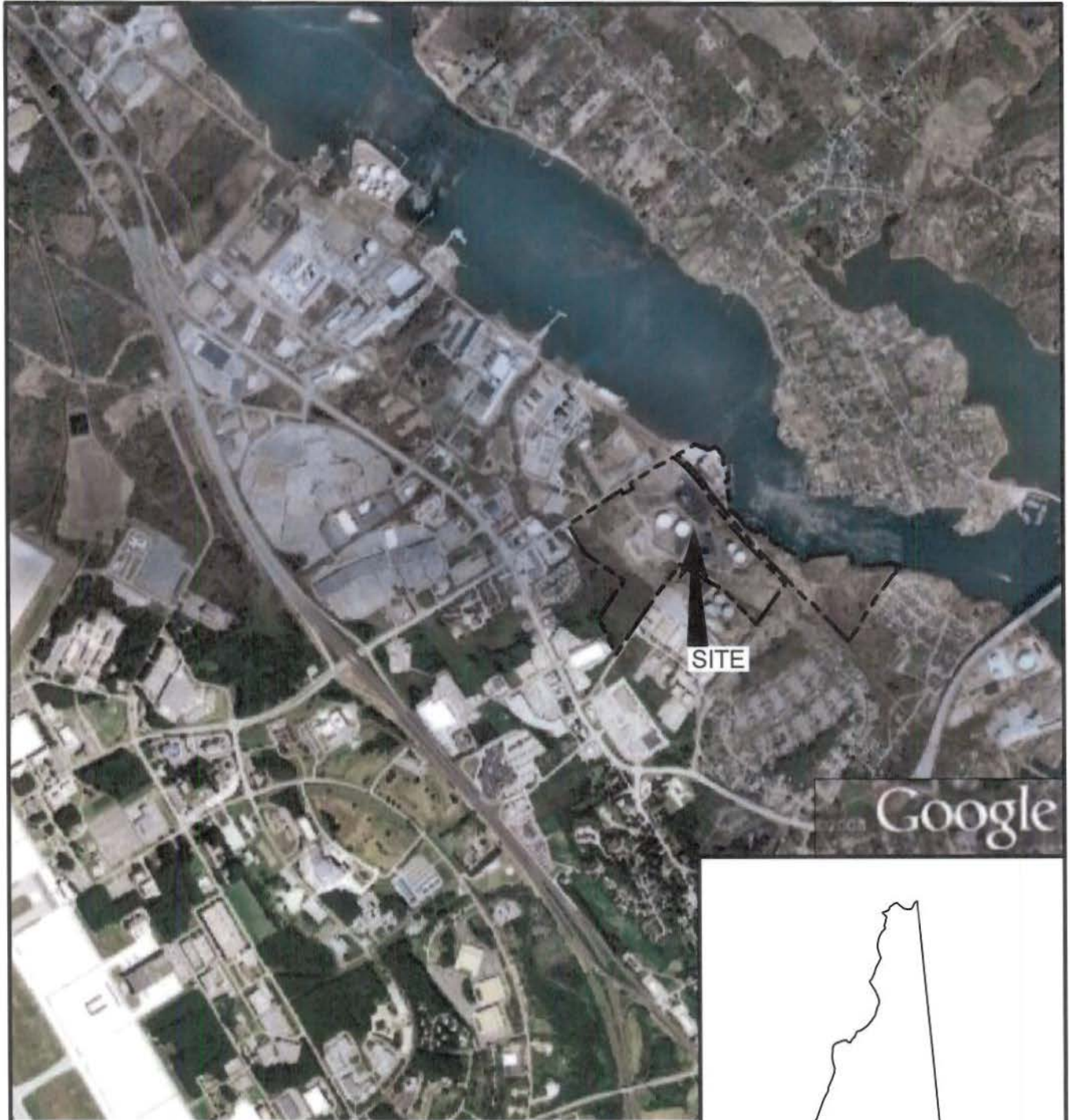
Schiller Station - Public Service of New Hampshire

Portsmouth, New Hampshire

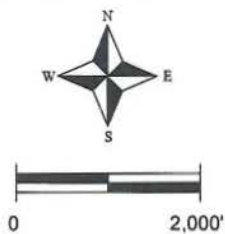


Drawn By: D. Dombrowsky
 Designed By: K. Anderson
 Reviewed By: E. Steinhauer
 Date: September 2010

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Note:
Aerial photos was flown by Image © 2009 Maine
GeoLibrary.

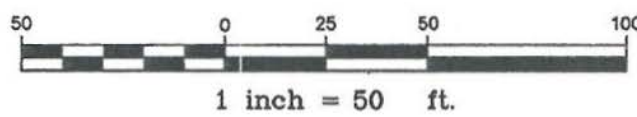
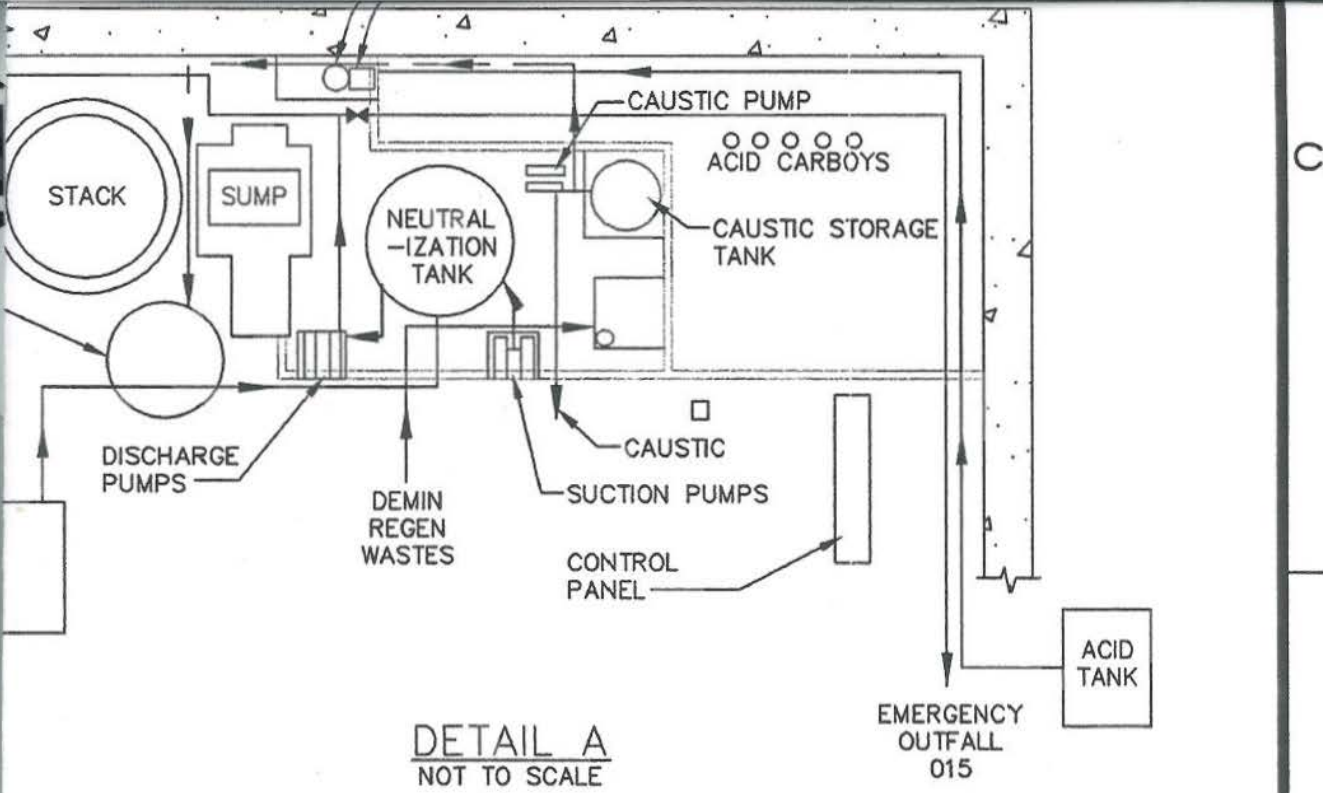


Drawn By: D. Dombrowsky
Designed By: K. Anderson
Reviewed By: E. Steinhauser
Date: September 2010

Aerial Photo

Schiller Station - Public Service of New Hampshire

Portsmouth, New Hampshire



PSNH REVISIONS	8-10	JFG	CG	AGP	AGP
REVISION DESCRIPTION	DATE	DSN	DRN	CHKD	APPR



**General Engineering
Division**

URES	DATE	OVERVIEW OF WASTEWATER TREATMENT FACILITIES PUBLIC SERVICE OF NH SCHILLER STATION PORTSMOUTH, ROCKINGHAM COUNTY, NEW HAMPSHIRE
GP		
MV		
1"=50'		DWG NO. R-6521-26A

OPERATE UNLESS OTHERWISE NOTED.

CONTINUOUS FLOW DURING NORMAL STATION ONLINE
OPERATION.

S:

USED FOR STATION HEAT IS RECOVERED.

#4, #5 AND #6 FLOW ESTIMATES ARE BASED ON FULL LOAD
-FOUR HOUR OPERATION.

WATER BALANCE REPRESENTS LARGE APPROXIMATIONS
THE DYNAMIC AND NON-ROUTINE NATURE OF AN OPERATING
PLANT. NON-DAILY EVENTS WERE PRORATED TO PROVIDE
AVERAGE DAILY ESTIMATE.

WATER EVENTS ARE BASED ON AN AVERAGE ANNUAL
L OF 42 INCHES.

WTFALLS DISCHARGE TO THE PISCATAQUA ESTUARY UNLESS
ELSE NOTED.

DRAWING SUPERSEDES DRAWING R-348-603, DATED 5-95.

PSNH REVISIONS	8-10	JFG	CG	AGP	AGP
REDRAWN ON CAD & GENERAL UPDATE	5-95	AGP	NMV	AGP	AGP
REVISION DESCRIPTION	DATE	DSN	DRN	CHKD	APPR

**Public Service
of New Hampshire**

**General Engineering
Division**

DATE	SCHEMATIC OF WATER FLOWS PUBLIC SERVICE OF NH SCHILLER STATION PORTSMOUTH, ROCKINGHAM COUNTY, NEW HAMPSHIRE
5-95	
5-95	
SCALE	DWG NO. R-348-603

T _ OF _ | DATE PLOTTED: _____ 1

ES

IS TO THE FUEL OIL STORAGE TANK HEATERS ARE EXTREMELY
ABLE DEPENDING UPON SEASONAL WEATHER CONDITIONS AND OIL
SUMPTION.

DRAWING R-348-603 FOR ADDITIONAL NOTES.

DRAWING SUPERSEDES DRAWING R-348-603.1, DATED 5-95.

END

INTERMITTENT FLOW OCCURS DAILY WHEN BOILERS
OPERATE UNLESS OTHERWISE NOTED.

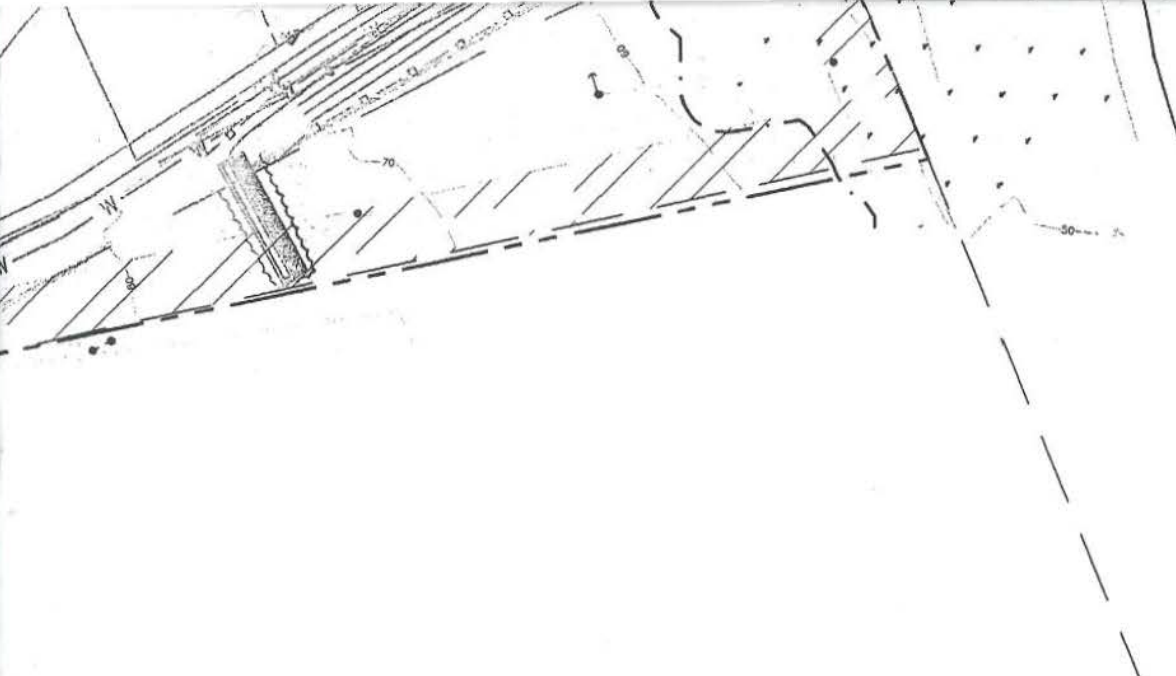
CONTINUOUS FLOW DURING NORMAL STATION ONLINE
OPERATION.

PSNH REVISIONS	8-10	JFG	CG	AGP	AGP
REDRAWN ON CAD & GENERAL UPDATE	5-95	AGP	NMV	AGP	AGP
REVISION DESCRIPTION	DATE	DSN	DRN	CHKD	APPR

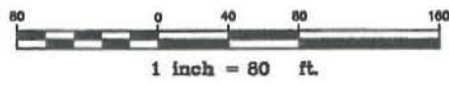
Public Service of New Hampshire	General Engineering Division
--	---

DATE	SCHEMATIC OF WATER FLOW PUBLIC SERVICE OF NH SCHILLER STATION PORTSMOUTH, ROCKINGHAM COUNTY, NEW HAMPSHIRE
5-95	
5-95	
SCALE	DWG NO. R-348-603.1

T _ OF _ | DATE PLOTTED: _____ 1

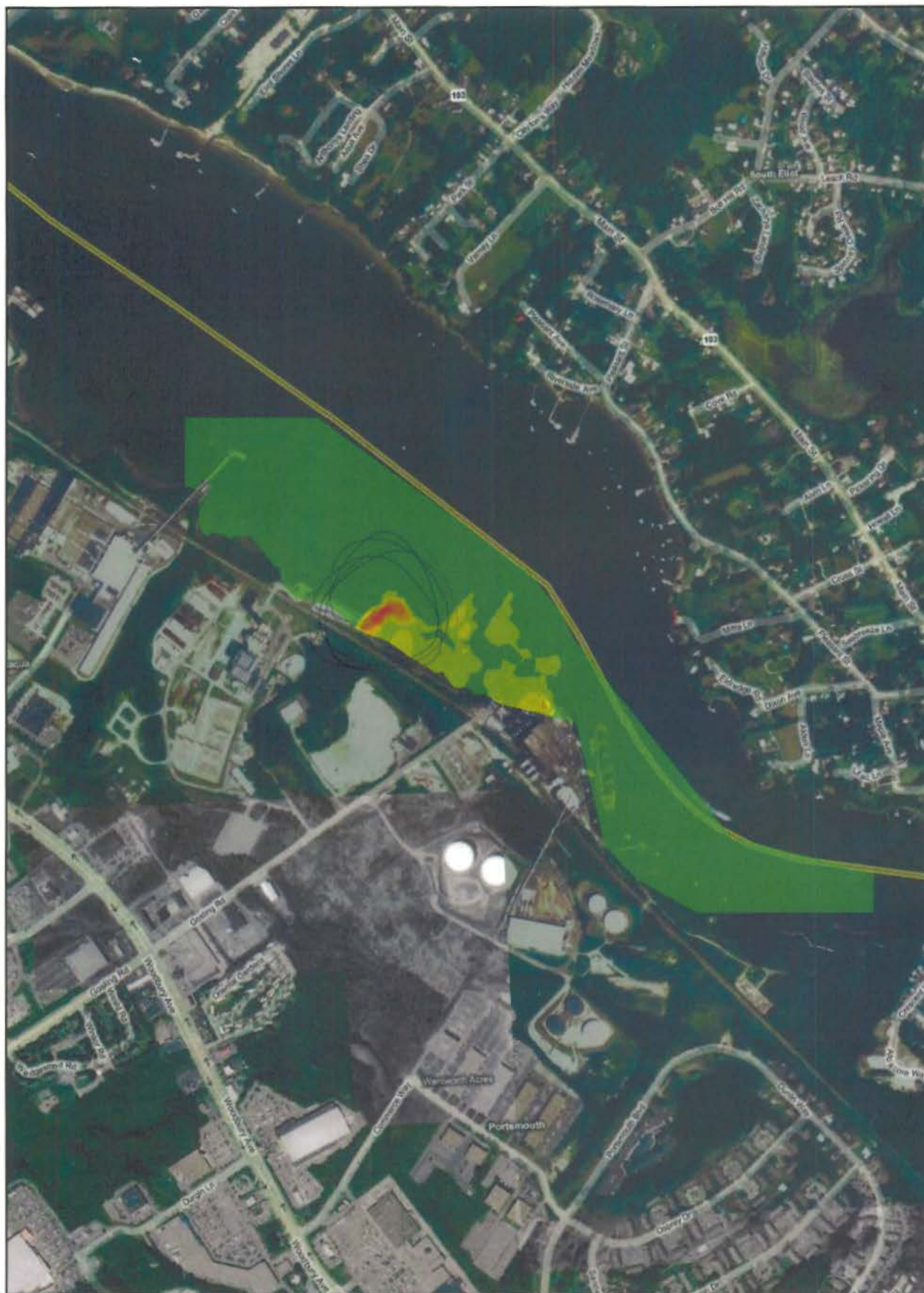


NOTE: THIS PLAN SET IS ISSUED FOR PERMITTING PURPOSES AND SHALL NOT BE USED FOR CONSTRUCTION.



C
B
A

PSNH REVISIONS						
REV NO.	REVISION DESCRIPTION	DATE	DSN	DRN	CHKD	APPR
 Public Service of New Hampshire		General Engineering Division				
SIGNATURES	DATE	N.P.D.E.S. SITE PLAN OUTFALL LOCATIONS PUBLIC SERVICE OF NH SCHILLER STATION PORTSMOUTH, ROCKINGHAM COUNTY, NEW HAMPSHIRE				
DSN: AGP	9/1/10					
DRN: CG						
CHKD:						
APPR:						
SCALE: 1"=50'	DWG NO. R-6521-26B					



U.S.EPA Region 1 GIS Center
Map Tracker ID: 7251

Water Temperature (c)



25.1 to 26

26.1 to 27

27.1 to 28

28.1 to 28.91

DRAFT

Temperature Plume
Piscataqua River
Schiller Station

NOTES

- 1  DENOTES PROGRESSIVE CAVITY PUMP.
2. ALL STAINLESS STEEL PIPING TO BE 316.
3. ——— DENOTES HEAT TRACED LINES.
4. * DENOTES VARIABLE SPEED DRIVE.
5. ALL TAG NO'S. TO BE PRECEDED BY THE LETTER "C"
6.  FR-6243-WT WILL INDICATE/RECORD "ZERO" FLOW IN RECIRCULATION MODE DUE TO REDUCTION IN WEIR BOX LEVEL

CONTROL NOTES

- ① HIGH LEVEL IN STAND PIPE INITIATES BACKWASH-ONE COMP. IN BACKWASH LOCKS OTHER OUT OF BACKWASH
- ② SLUDGE BLOW OFF INITIATED BY LEVEL DETECTOR.

4" FRP

T

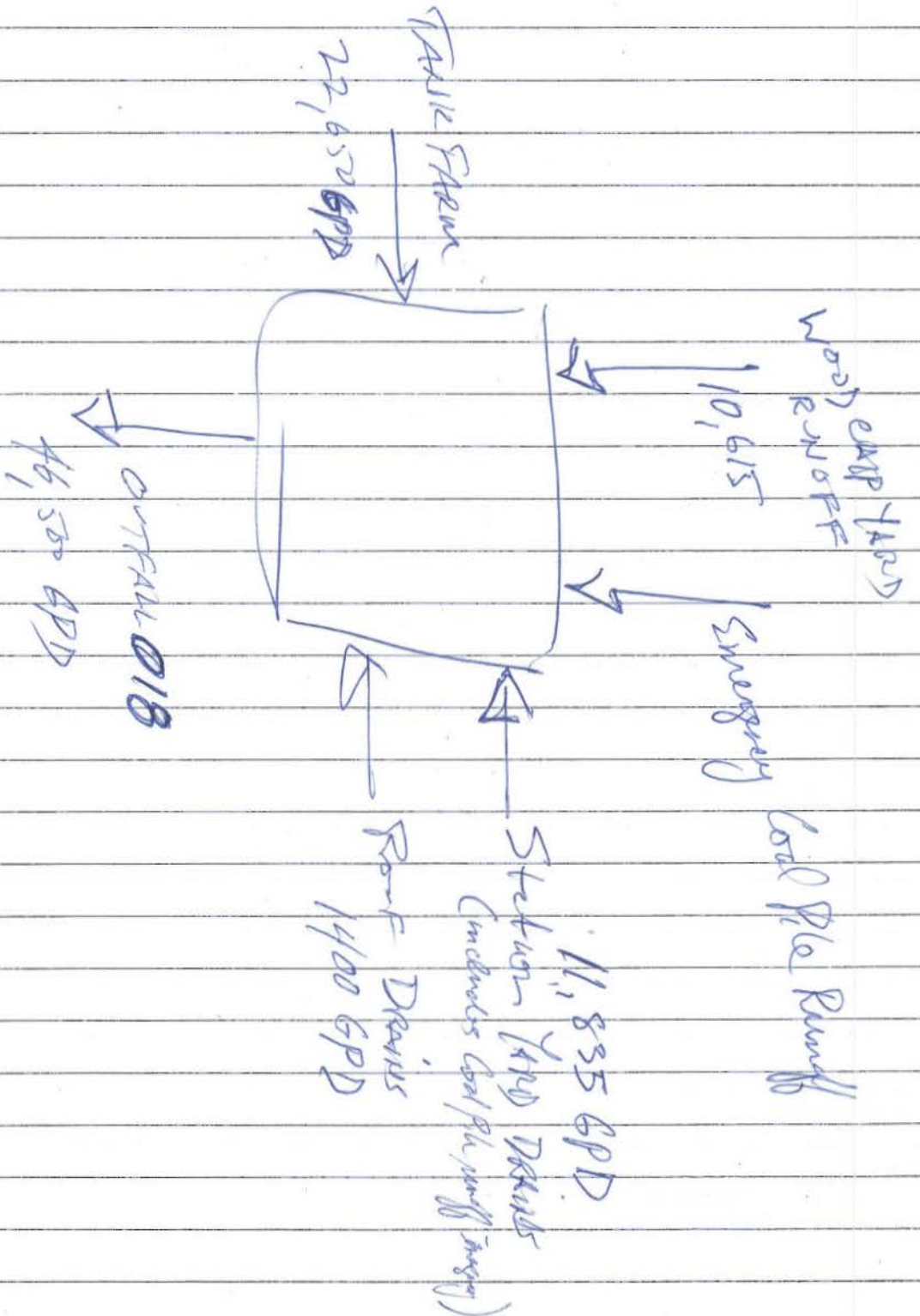
G

F

E

Haulihan
11/29/10

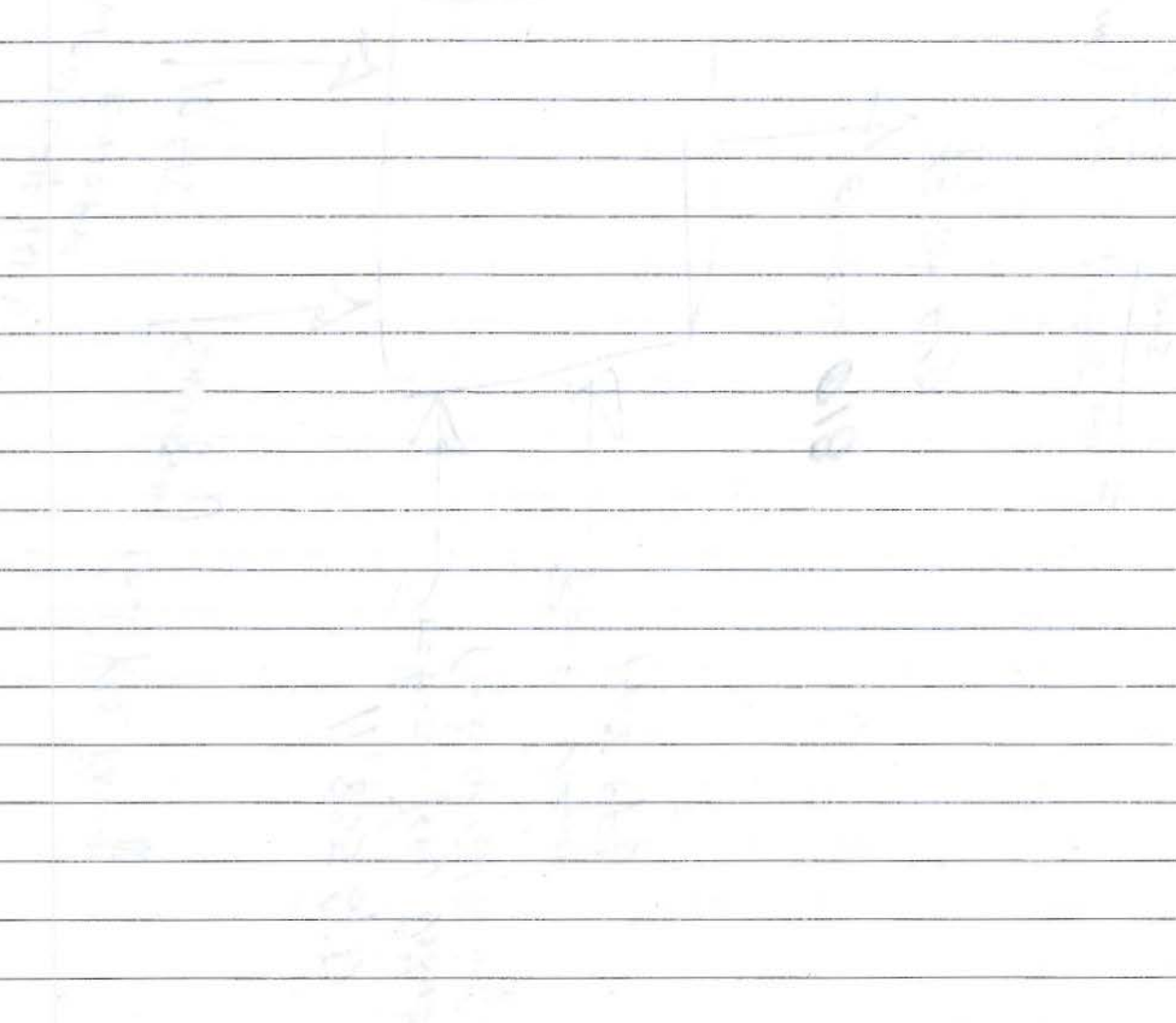
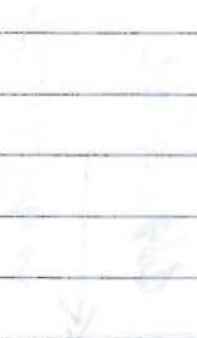
Outfall 018



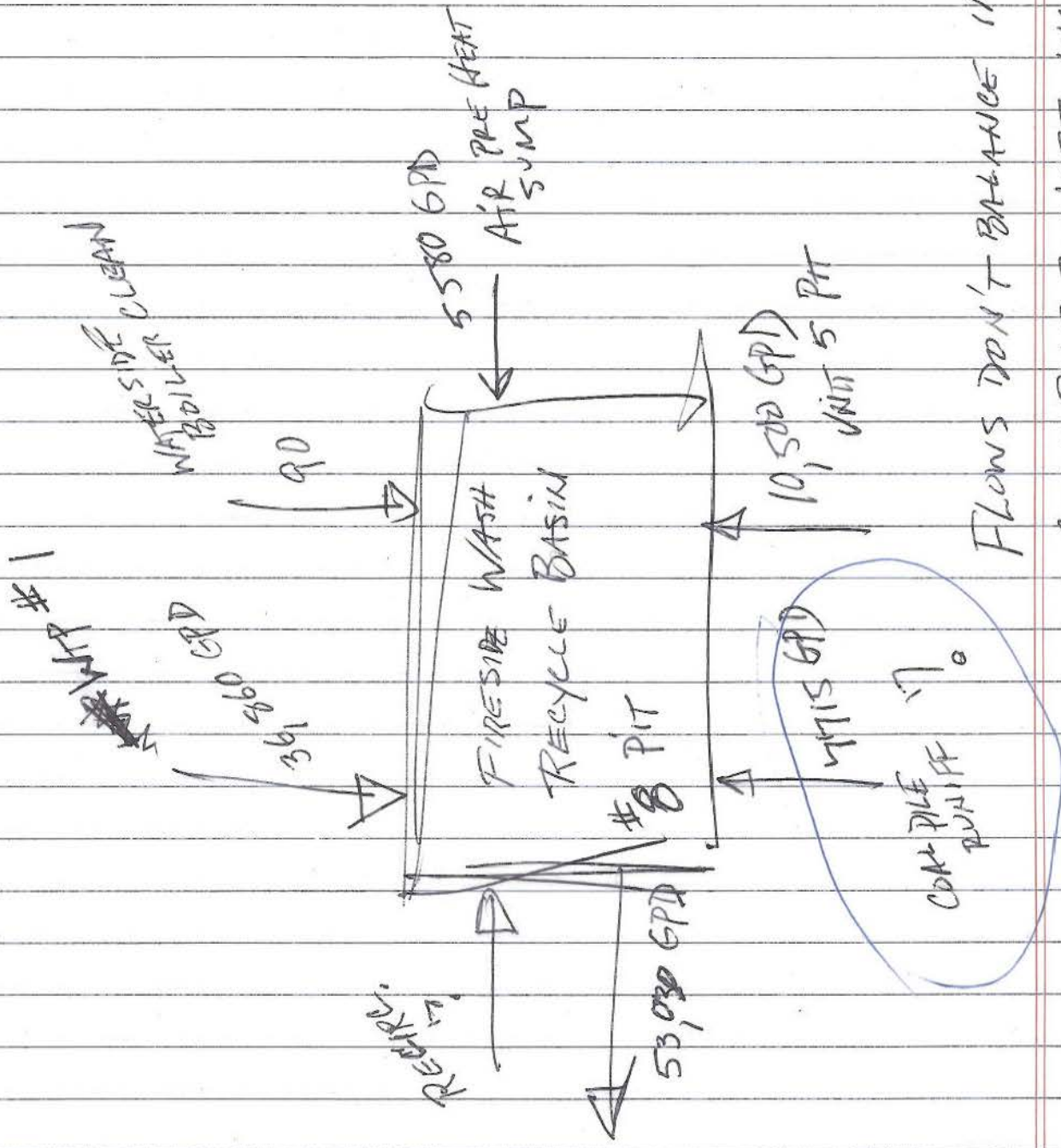
$$(0.9) (250,000 \text{ ft}^2) (0.1 \text{ in}) \frac{1 \text{ ft}}{12 \text{ in}} \cdot \frac{7.48 \text{ gal}}{\text{ft}^3} =$$

$\frac{1}{2} \times \frac{1}{2}$

2.51423



11/18/10
Hendrix

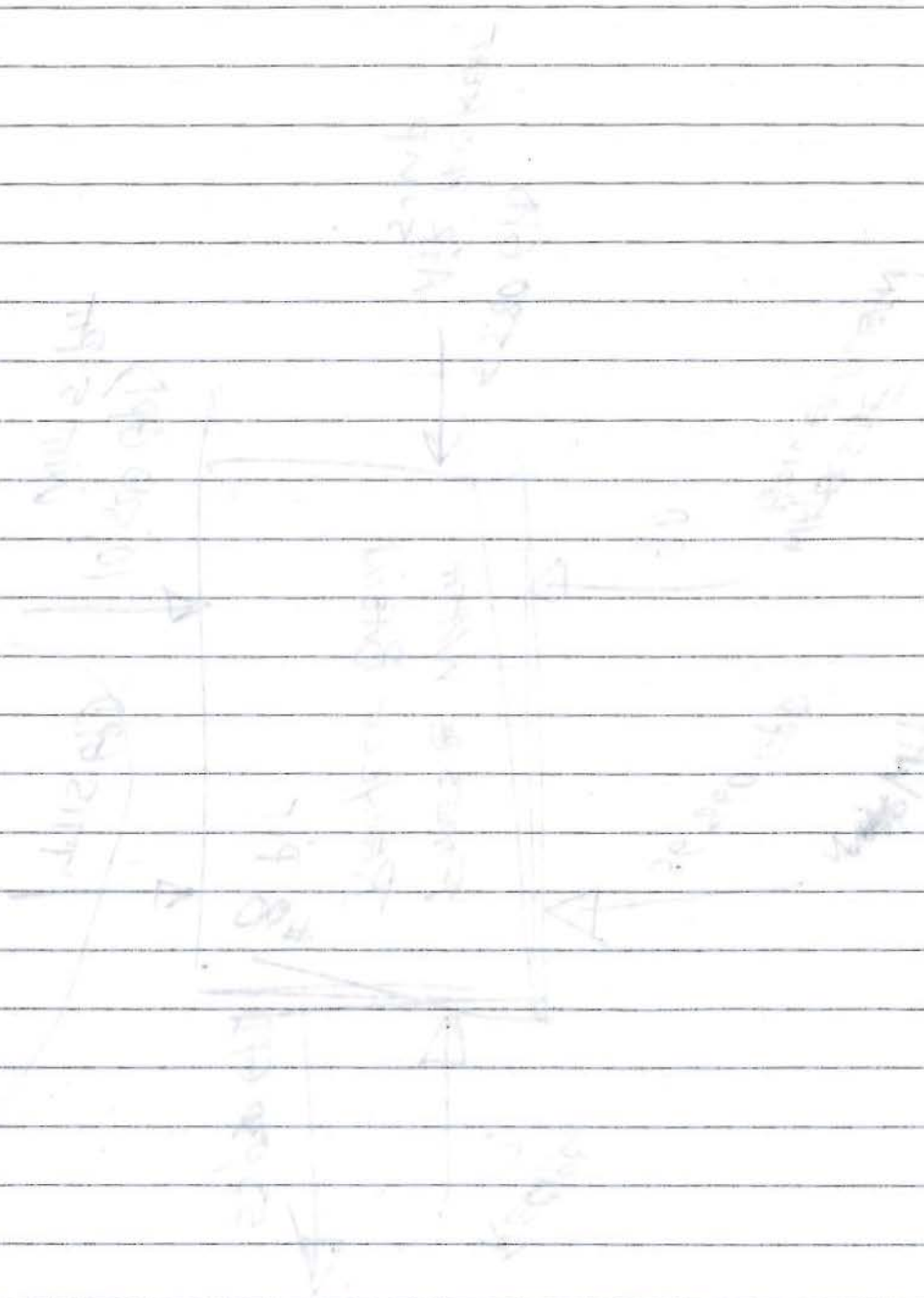


Flows DON'T BALANCE IF

CON PILE RUNOFF INCLUDED,
BUT WTP #2 FLOWS WON'T BALANCE
IF IT IS INCLUDED.

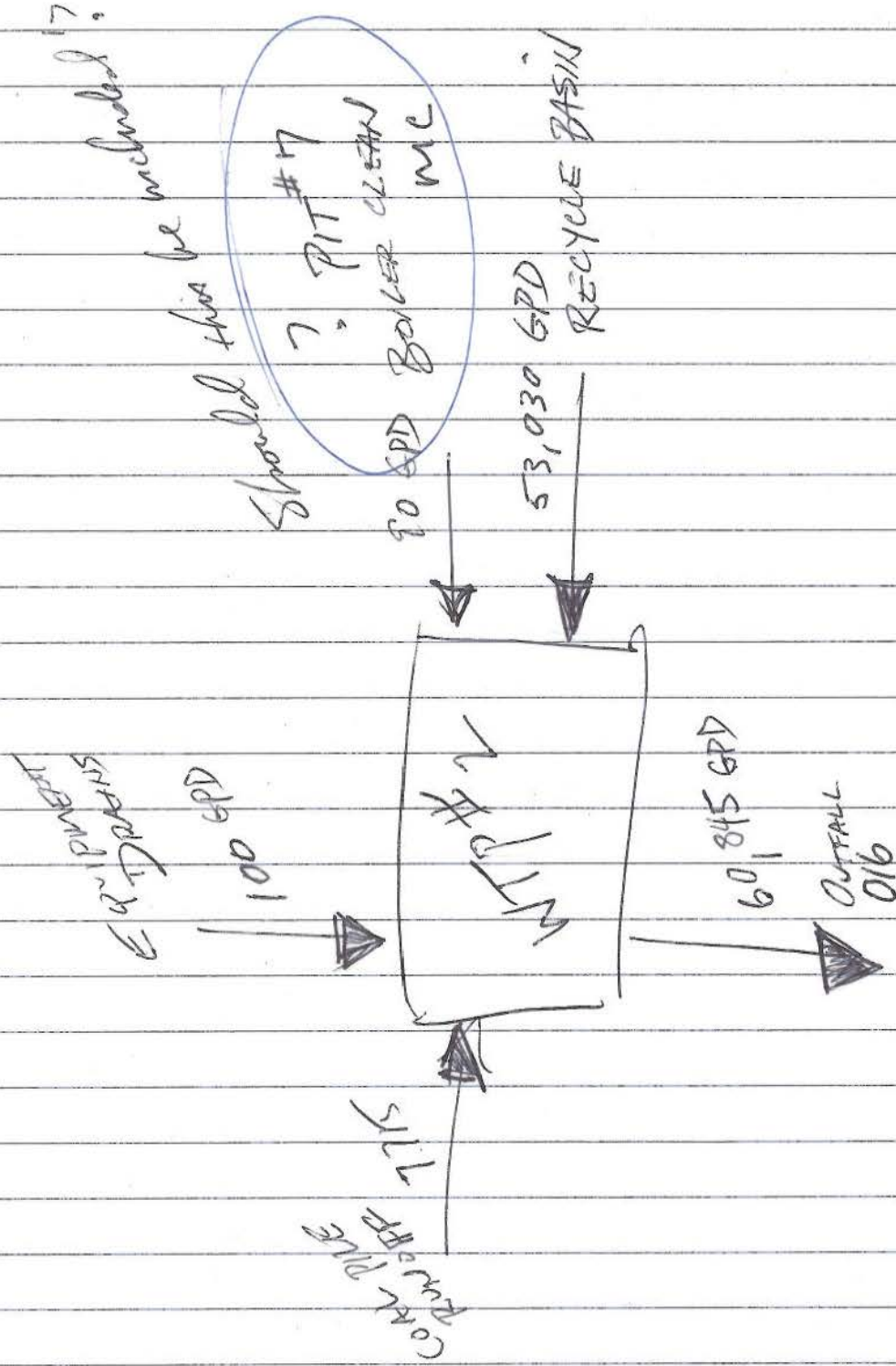
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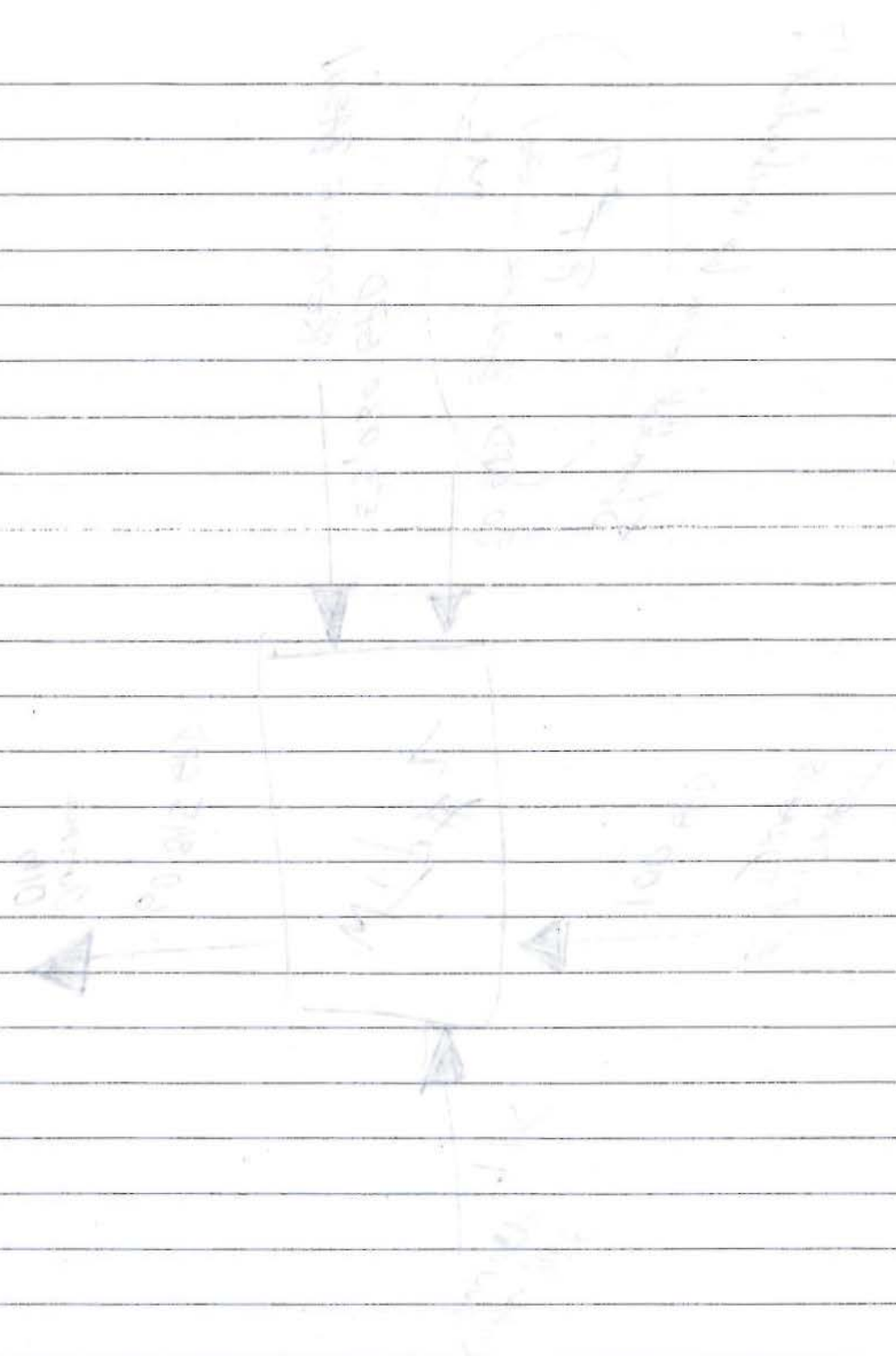
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1. 1000
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Handwritten signature
11/18/10





9/28/10
Houlahan

Boiler WATER

#4 fuel
oil
HEATER
CONTINUOUS
BLOWDOWN

1500

5500 GPD

Unit #4
Boiler

Stack
10,000 GPD

Fuel system
5250 GPD

TO TURBINE

1,225,130 GPD

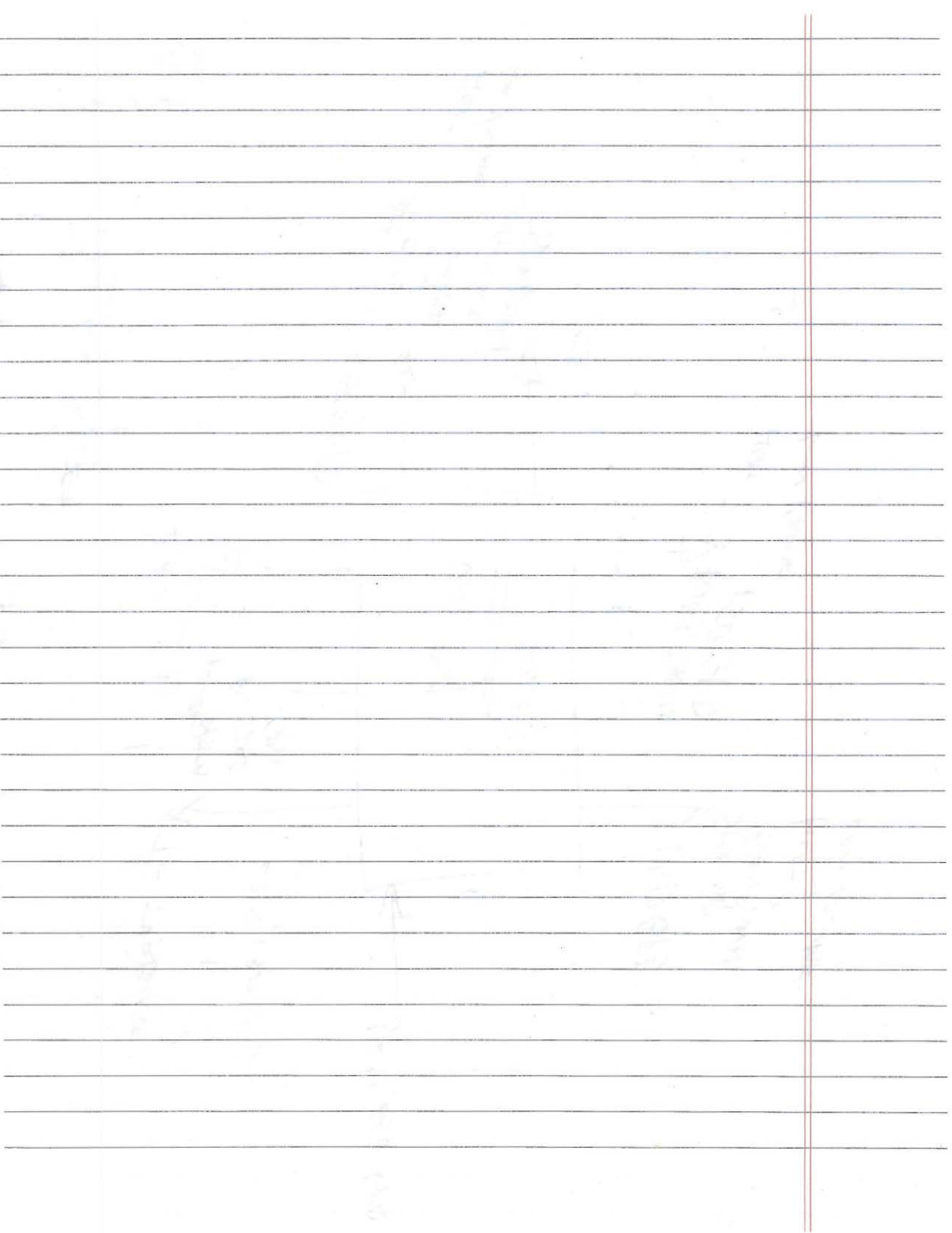
1,233,650 GPD

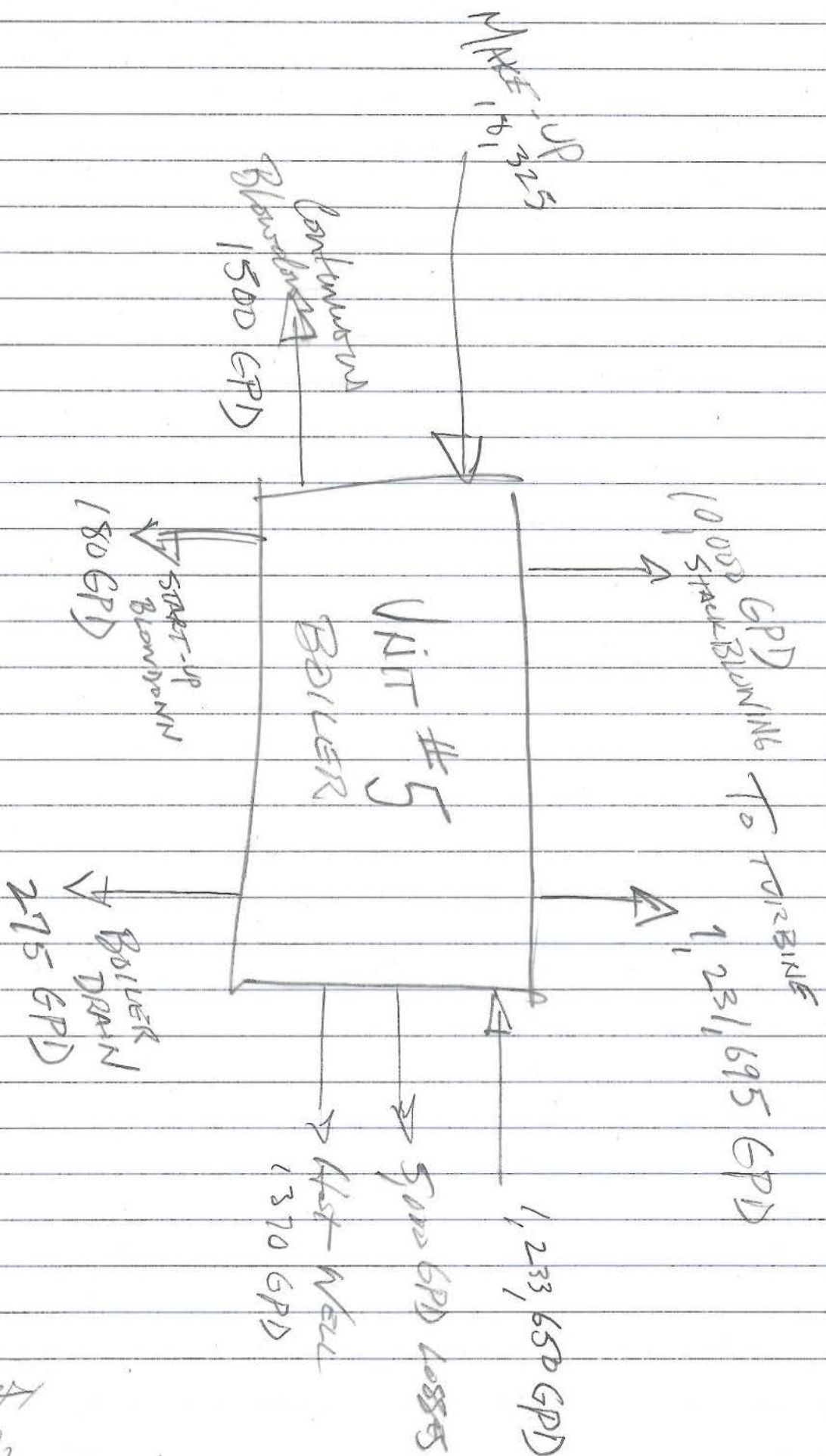
Boiler DRAIN
150 GPD

Heat?
Low Volume

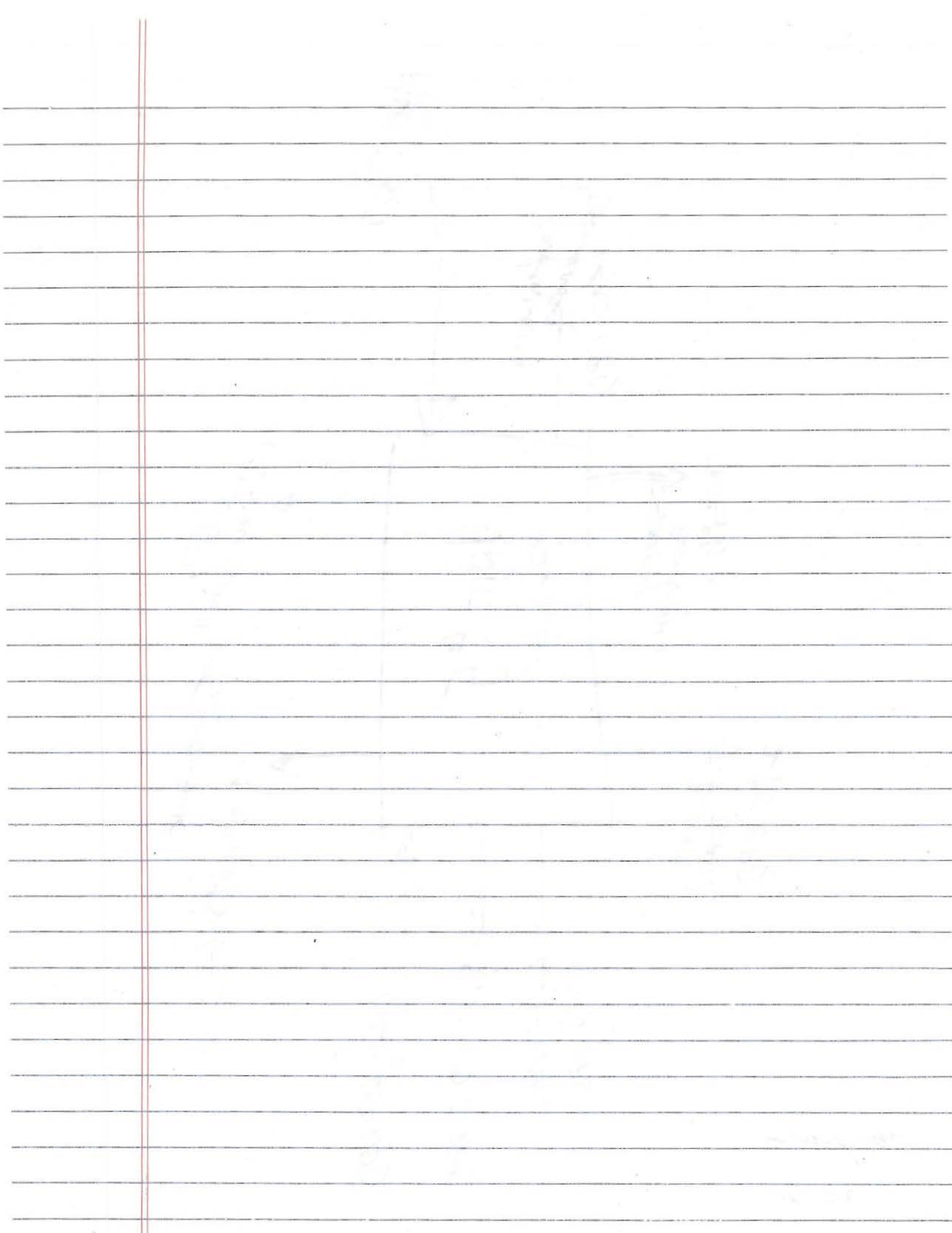
1370 GPD
Start-up
Blowdown

Heat?
Low Volume





2/28/10
Kendall



9/28/10
Houlihan

