Public Service of New Hampshire

The Northeast Utilities System

FACSIMILE REQUEST

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ALLAN

RETURN ORIGINAL AND VERIFICATION TRANSMITTAL TO SENDER OR CALL EXTENSION # _____ FOR PICKUP.

Ms. Shelley Puleo
EPA
etc...

RE: Revision to Original Storm Water Application for Schiller Station NPDES Permit No. NH0001473 Dated September 30, 1992. Additional Storm Water Outfall E.

Dear Ms. Puleo:

Enclosed is completed Form 2F of EPA's Consolidated Permits Program for an Individual Storm Water Discharge Permit for Schiller Station, NPDES Permit No. NH0001473, located in Portsmouth N.H. This specific application is for a Storm Water Discharge Outfall (designated here as Storm Water Outfall E) in addition to those already applied for in the original application submitted by PSNH dated September 30, 1992. Since submitting the original application, PSNH has made site modifications resulting in an additional point source discharge for storm water runoff. PSNH was motivated to make these changes to improve compliance with the intent of our Spill Prevention and Pollution Control Plan as explained in the application.

Storm Water drainage area 'A' and Area 'E' are both paved parking areas directly adjacent to one another. PSNH believes the storm water runoff drained by Outfall 'E' is substantially identical to the storm water drained by Outfall 'A'; consequently, PSNH has used the analysis of Outfall 'A' effluent samples for this application. This allows PSNH to submit this application more quickly and avoid unnecessary duplicate sampling. The effluent samples for Outfall 'A' were collected and preserved as specified by the Form 2F instructions and by EPA's SW-846 Manual, and analysis were conducted in accordance with 40 CFR Part 136.

Attachment #1 provides a narrative description of significant materials stored at the facility and the management practices that prevent contact with storm water runoff. Site Plan R-6521-27 indicates the drainage areas and the important structures and buildings on site.

Please contact me at (603) 634-2439 should you need additional information.

Sincerely,

A. G. Palmer

Please print or type in the unshaded areas only

EPA ID Number (copy from item I of Form 1)

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

Form 2F NPDES

EPA

United States Environmental Protection Agency
Washington, DC 20460

Application for Permit To Discharge Stormwater Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.0 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., SW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

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)
"p"	43	05	53	70	47	00	Piscataqua Estuary

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation 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. No

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj

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

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
E	20,000 ft.^{2}	20,000 ft.^{2}			

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed, in the last three years, to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

See IV.B of Attachment #1.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
	See IV.C of Attachment #1.	

V. Nonstormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharges from these outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

A study of station schematics and visual observations indicate that the drainage points chosen in this application contain non-storm water run-off only.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

There have been no significant leaks or spills at this facility in the last three years.

Continue on Page 3

EPA ID Number (copy from item I of Form 1)

Continued from Page 2

VII. Discharge Information

A,B,C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided.
Tables VII-A, VII-B, and VII-C are included on separate sheets numbered VII-1 and VII-2.

E: Potential discharges not covered by analysis - Is any pollutant listed in Table 2F-2 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) ☒ X No (go to Section IX)

VIII. 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 (list all such pollutants below) ☒ X No (go to Section IX)

IX. Contract Analysis Information

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

☒ X Yes (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below) ☐ No (go to Section X)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Pace Incorporated	One Lafayerre Road P.O. Box 2130 Hampton, NH 03842	(603) 926-7727	BOD COD TSS TKN NO_2 NO_3 Total Phosphorus Oil & Grease Cu, Fe & Pb

X. 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)	B. Area Code and Phone No.
C. Signature	D. Date Signed

NHD 000842666

Approval expires 5-31-92

VII. Discharge Information (Continued from page 3 of Form 2F)

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.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	<5.8 mg/L	-			1	None
Biological Oxygen Demand (BOD5)	35 mg/L	<5 mg/L			1	None
Chemical Oxygen Demand (COD)	190 mg/L	80 mg/L			1	None
Total Suspended Solids (TSS)	110 mg/L	<10 mg/L			1	None
Total Kjeldahl Nitrogen	3.3 mg/L	1.1 mg/L			1	None
Nitrate plus Nitrite Nitrogen	4.5 mg/L	1.3 mg/L			1	None
Total Phosphorus	0.08 mg/L	.41 mg/L			1	None
pH 17.3°C	Minimum 5.28	Maximum 5.28	Minimum 5.28	Maximum 5.28		

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	<5.8 mg/L	-			1	None
Total Suspended Solids	110 mg/L	10 mg/L			1	None
pH	5.28	-			1	None
Iron	-	0.98 mg/L			1	None
Copper	-	0.05 mg/L			1	None
Total Chlorine	≤0.1 mg/L	-			1	None
Free Chlorine	≤0.1 mg/L	-			1	None

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
None						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gallons/minute or specify units)	6. Total flow from rain event (gallons or specify units)	7. Season sample was taken	8. Form of Precipitation (rainfall, snowmelt)
9/3/92	360	0.18	124 hrs./15 mins.	29.9 GPM	+366,421 Gallons	Summer	Rainfall

9. Provide a description of the method of flow measurement or estimate.

Flow measurements were taken immediately prior to the collection of each aliquot, using the "stopwatch and bucket" method.

PUBLIC SERVICE COMPANY NEW HAMPSHIRE
SCHILLER STATION
STORM WATER DISCHARGE APPLICATION
OUTFALL #E

ATTACHMENT #1

IV. B.

The area drained by Storm Water Outfall 'E', is a paved roadway/parking area located outside the main gate of Schiller Generating Station. There have been no exposures of significant materials to storm water at this station in the last three years.

There is a potential for exposure of #1 fuel oil to storm water runoff since trucks delivering #1 fuel oil (jet fuel) park in this area while off loading into jet fuel oil storage tanks (see storm water site plan). Station precautions, outlined in IV. C. below, minimize the risk of exposure.

No other materials, pesticides, herbicides or fertilizers are stored or used in this area.

IV. C.

PSNH has installed asphalt curbing along the southern and eastern perimeters of the storm water runoff area 'E'. This curbing was designed to contain spills that may potentially occur during fuel oil deliveries. A catch basin and drain were included in the construction to prevent storm waters from accumulating in the area.

Under normal conditions, the drain is maintained open. During fuel oil deliveries, the drain is sealed with a plug to prevent spills from reaching the river. This precaution gives personnel time to initiate clean up procedures and reduce exposure to storm waters.