



Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038

Hope Creek Generating Station

January 24, 1992

Chief George Corporale  
Bureau of Information Systems  
P. O. Box CN-729  
Trenton, N. J. 08625

RE: NEW JERSEY POLLUTANT DISCHARGE  
ELIMINATION SYSTEM  
DISCHARGE MONITORING REPORT  
HOPE CREEK GENERATING STATION  
NJPDES PERMIT NJ0025411

Dear Sir:

Attached is the Discharge Monitoring Report for the Hope  
Creek Generating Station for the month of December 1991.

This report is required by and prepared specifically for the  
Environmental Protection Agency (EPA) and the New Jersey  
Department of Environmental Protection (NJDEP). It presents  
only the observed results of measurements and analysis  
required to be performed by the above agencies. The choice of  
the measurement devices and analytical methods are controlled  
by the EPA and the NJDEP, not by the company, and there are  
limitations on the accuracy of such measurement devices and  
analytical techniques even when used and maintained as  
required. Accordingly, this report is not intended as an  
assertion that any instrument has measured, or that any  
reading analytical result represents the true value with  
absolute accuracy, nor is it an endorsement of the  
suitability of any analytical or measurement procedure.

If you have any questions concerning this report, please feel  
free to contact Mr. C. E. White.

Sincerely,

Joseph Hagan  
General Manager -  
Hope Creek Operations

310063

The Energy People

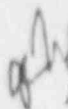
9202030009 911231  
PDR ADOCK 05000354  
R PDR

JE25

NJPDES

2

1/24/92

 CW:ej  
Attachments

C Executive Director, DRBC  
USEPA - Dr. Richard Baker  
USNRC

NJPDES  
Explanation of conditions  
December 1991

1/24/92

The following explanations are included to clarify possible deviation from permit conditions.

General -- The columns labeled "No. Ex", on the enclosed DMR, tabulate the number of daily discharge values outside the indicated limits.

Data reporting and accuracy reflect the working environment, the design capabilities and reliability of the monitoring instruments and operating equipment.

Analytical values performed by the following NJDEP certified laboratories:

NET Atlantic, Inc. (08153)  
Hope Creek Generating Station (17451)  
Talbot Laboratory, Inc. (77535)  
South Jersey Testing, Inc. (06431)

Deviations from required sampling, analysis monitoring and reporting methods and periodicities are noted on the respective DMR.

Frequency for discharge point 461A, the Cooling Tower Blowdown, and the River were done at approximately 5 hour intervals to provide for the cycles of concentration in the system.

As per the Administrative Consent Order the TSS limit for discharge points 462A, 463A and 464 have been lifted and the interim thermal limits for discharge point 461A have been changed to 443 MBTU/hr (June - September) and 731 MBTU/hr (October - May).

Results reported on the Discharge Monitoring Report forms are consistent with permit limits, data supplied from contract laboratories and guidance from DEP personnel attending DMR outreach seminars.

NJPDES  
Explanation of Exceedances  
December 1991

1/24/92

The following exceedances are included in the attached report and explained below. Exclusions have not endangered nor significantly impacted public health or the environment.

DSN No.

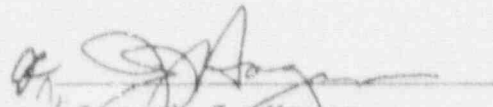
EXPLANATION

**No Exceedances**

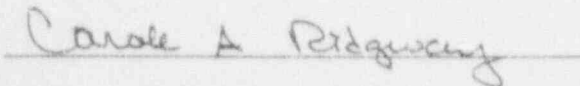
COUNTY OF SALEM  
STATE OF NEW JERSEY

I, Joseph J. Hagan, of full age, being duly sworn according to law, upon my oath depose and say:

1. I am the General Manager of the Hope Creek Generating Station, and as such am authorized to sign Discharge Monitoring Reports submitted to the New Jersey Department of Environmental Protection pursuant to the Station's New Jersey Pollutant Discharge Elimination System permit.
2. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted 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.
3. The signature on the attached Discharge Monitoring Reports is my signature and I am submitting this affidavit in satisfaction of the requirement that my signature be notarized.

  
Joseph J. Hagan  
General Manager -  
Hope Creek Operations

Sworn and subscribed before me  
this 24 day of Jan. 1992.



CAROLE RIDGWAY  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires Nov. 19, 1996

MONITORING REPORT - TRANSMITTAL SHEET

N/PDES NO.

REPORTING PERIOD

MO. YR. MO. YR.

00,25,41,1

1,2,9,1 THRU 1,2,9,1

PERMITTEE: Name Public Service Electric & Gas Company  
Address P.O. Box 236  
Hancocks Bridge, NJ 08038

FACILITY: Name Hope Creek Generating Station  
Address P.O. Box 236  
Hancocks Bridge, NJ County Salem  
Telephone (609) 339-5098

FORMS ATTACHED (Indicate Quantity of Each)

SLUDGE REPORTS - SANITARY

T-VWX-007  T-VWX-008  T-VWX-009

SLUDGE REPORTS - INDUSTRIAL

T-VWX-010A  T-VWX-010B

WASTEWATER REPORTS

T-VWX-011  T-VWX-012  T-VWX-013

GROUNDWATER REPORTS

VWX-015(A,B)  VWX-016  VWX-017

N/PDES DISCHARGE MONITORING REPORT

EPA FORM 3320-1

OPERATING EXCEPTIONS

	YES	NO
DYE TESTING	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TEMPORARY BYPASSING	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DISINFECTION INTERRUPTION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MONITORING MALFUNCTIONS	<input type="checkbox"/>	<input checked="" type="checkbox"/>
UNITS OUT OF OPERATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
OTHER	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(Detail any "Yes" on reverse side  
in appropriate space.)

NOTE: The "Hours Attended at Plant" on the  
reverse of this sheet must also be completed.

AUTHENTICATION - I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted 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.

LICENSED OPERATOR

Name (Printed) - Andres Nurk  
Grade & Registry No. S-4 (4542)  
Signature *Andres Nurk*  
Date 1/6/92

PRINCIPAL EXECUTIVE OFFICER or  
DULY AUTHORIZED REPRESENTATIVE

Name (Printed) Joseph Hagan  
Title (Printed) Gen. Mgr. Hope Creek Oper.  
Signature *Joseph Hagan*  
Date 1/24/92

OPERATING EXCEPTIONS DETAILED

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HOURS ATTENDED AT PLANT

Month 1/12 Year 9/11

Day of Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Licensed Operator		8	8	8	8	8			8	8	8	8	8	8		8
Others	8						8	8								8
Day of Month	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Licensed Operator	8	8	8	8			8	8		8	8			8	8	
Others					8	8			8			8	8			

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES NO.

REPORTING PERIOD

MO. YR. MO. YR.

01025411

1291 THRU 1291

PERMITTEE:

Name Public Service Electric & Gas Company  
Address P. O. Box 236  
Hancocks Bridge, N. J. 08038

FACILITY:

Name Hope Creek Generating Station  
Address P. O. Box 236  
Hancocks Bridge, N. J. (County) Salem  
Telephone (609) 339-3463

FORMS ATTACHED (Indicate Quantity of Each)

SLUDGE REPORTS - SANITARY

T-VWX-007  T-VWX-008  T-VWX-009

SLUDGE REPORTS - INDUSTRIAL

T-VWX-010A  T-VWX-010B

WASTEWATER REPORTS

T-VWX-011  T-VWX-012  T-VWX-013

GROUNDWATER REPORTS

VWX-015(A,B)  VWX-016  VWX-017

NJPDES DISCHARGE MONITORING REPORT

EPA FORM 3320-1

OPERATING EXCEPTIONS

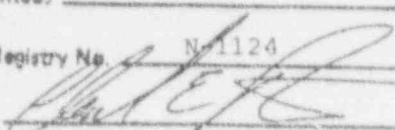
	YES	NO
DYE TESTING	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TEMPORARY BYPASSING	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DISINFECTION INTERRUPTION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MONITORING MALFUNCTIONS	<input type="checkbox"/>	<input checked="" type="checkbox"/>
UNITS OUT OF OPERATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
OTHER	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(Detail any "Yes" on reverse side  
in appropriate space.)

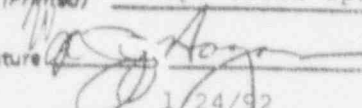
NOTE: The "Hours Attended at Plant" on the  
reverse of this sheet must also be completed.

AUTHENTICATION - I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted 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.

LICENSED OPERATOR

Name (Printed) Clark E. Pierce  
Grade & Registry No. N 1124  
Signature   
Date 1/24/92

PRINCIPAL EXECUTIVE OFFICER or  
DULY AUTHORIZED REPRESENTATIVE

Name (Printed) Joseph J. Hagan  
Title (Printed) General Manager  
Hope Creek Operations  
Signature   
Date 1/24/92



OPERATING EXCEPTIONS DETAILED

On Friday, December 13th, 1991, simultaneous pump failures in a sewage lift station resulted in 200 gallon overflow which entered a facility yard drain or DSN-463A. The assigned case #91-12-13-1117-45. Please refer to the attached 5 day report (NLR-E91312).

HOURS ATTENDED AT PLANT

Month 12 Year 91

Day of Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Licensed Operator	-	8	8	8	8	-	-	-	8	8	8	12	9	-	-	8
Others	3	10	10	10	10	10	3	3	10	10	10	10	10	3	3	10
Day of Month	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Licensed Operator	8	8	8	8	-	-	8	8	-	8	8	-	-	8	8	
Others	10	10	10	10	3	3	10	10	3	10	10	3	3	10	10	

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

DEC 17 1991

NLR-E91312

Mr. Steve Mathis  
NJ Department of Environmental Protection and Energy  
Southern Bureau of Regional Enforcement  
20 E. Clementon Road  
Gibbsboro, NJ 08026

Dear Mr. Mathis:

HOPE CREEK GENERATING STATION  
NJPDOS PERMIT NO. NJ0025411  
SEWAGE OVERFLOW TO SOUTH YARD DRAIN  
CASE NO. 91-12-13-1117-45

A discharge of approximately 200 gallons of untreated sewage to the Delaware River occurred at the Hope Creek Generating Station on December 13, 1991, due to the failure of a downstream sanitary pump station, lift station No. 2. The lift station failure resulted in sewage backing up the sewer line and overflowing Manhole No. 6 to the ground and an adjacent storm water catch basin. The catch basin, No. 47, is part of the South Yard Drain system which discharges to the Delaware River through permitted outfall DSN 463A.

Failure of the lift station was discovered and reported to the shift supervisor at 0945 hours. Station personnel immediately took the following steps to terminate the discharge:

- Shutdown several upstream sanitary lift stations;
- Shutdown domestic water service at several locations to prevent additional flow;
- Used a contracted sewage hauler to remove the contents of the failed lift station; and,
- Provided access clearance for the hauler through the Stations' security center to allow continued pump down of the lift station throughout the day.

The discharge from Manhole No. 6 was terminated at approximately 1100 hours upon removal of sewage from the failed lift station.

DEC 17 1991

Lift station No. 2 is equipped with two submersible grinder pumps, Pump A and Pump B. Based on our preliminary investigation, the lift station failure was caused by a blockage in the suction of Pump B. This blockage caused the pump to overheat and trip. With Pump B off, Pump A could not handle the influent flow which eventually reached a junction box near the top of the lift station, shorting out Pump A and the local alarm. The alarm had been activated at the high level point, but was not seen by Station personnel.

To prevent recurrence of this incident, several measures have been taken:

- An analysis of the incident to determine additional causes or preventive actions is being prepared.
- A project has been initiated to upgrade the alarm system to include both visible and audible alarms.
- Each pump will be pulled for inspection and cleaning every other month on a rotating schedule.

If warranted, additional information will be forwarded to your attention as a result of the incident analysis. If you have any comments or questions regarding this matter, please contact Patrick McCabe at (609) 339-1245.

Sincerely,

FXT/mde

F. X. Thomson, Jr.  
Manager - Licensing and Regulation

NAME **PSE&G**  
 ADDRESS **P.O. BOX 236/N21**  
**HANCOCKS BRIDGE, NJ 08038**

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER **NJ0025411** (2-16)  
 DISCHARGE NUMBER **461A** (17-19)

Form Approved.  
 OMB No. 2040-0064.  
 Approval expires 6-30-91.

COOLING TOWER BLOWDOWN  
 MAJOR SALEM  
 SOUTHERN REGION

FACILITY **PSE&G HOPE CREEK GENERATING ST**  
 LOCATION **LOWER ALLOWAYS CREE, NJ 08038**  
 DMR NUMBER: **91120485**

MONITORING PERIOD							
FROM	YR	MO	DAY	TO	YR	MO	DAY
	91	12	01		91	12	01
	(12/01)	(12/25)	(12/25)		(12/25)	(12/29)	(12/31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(I Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-57)				NC EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		XXXXXX (46-53)	XXXXXX (46-53)	UNITS (46-53)	XXXXXX (46-57)	XXXXXX (46-57)	XXXXXX (46-57)	UNITS (46-57)			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 1		000000	000000		000000	18.8	24.3		0	cont	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	35-60000K DAILY MX	DEG.C		CONTINUOUS	
TEMPERATURE, WATER DEG. CENTIGRADE 00010 7 1		000000	000000		000000	6.8	10.4		-	cont	
INTAKE FROM STREAM	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	DEG.C		CONTINUOUS	
PH 00400 1 0		000000	000000		000000		9		0	2/wk	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	MINIMUM	MAXIMUM	SU		TWICE/GRAB WEEK	
SOLIDS, TOTAL SUSPENDED 00530 1 0		000000	000000		000000	90	114		-	2/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		TWICE/GRAB MONTH	
SOLIDS, TOTAL SUSPENDED 00530 2 0		000000	000000		000000	44	62		-	2/mo	calc
EFFLUENT NET VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		TWICE/CALC MONTH	
SOLIDS, TOTAL SUSPENDED 00530 7 0		000000	000000		000000	46	52		-	2/mo	grab
INTAKE FROM STREAM	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		TWICE/GRAB MONTH	
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 1 0		000000	000000		000000	0.21	0.18		-	2/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		TWICE/GRAB MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**J. Hagan**  
 General Manager  
 Hope creek Operations  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED 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 SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of 6 months and 3 years.)

*J. Hagan*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **609 335-3463**  
 DATE **92 01 24**

SAMPLING EXPLANATION OF ANY GAPS IS REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF NOT USED, ENTER "NODI" FOR THESE METALS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
**NAME** PSEG  
**ADDRESS** P.O. BOX 236/N21  
 HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**  
 (12-16) NJ0025411 (17-19) 461A  
 PERMIT NUMBER DISCHARGE NUMBER

Form Approved  
 OMB No. 2040-0004  
 Approval expires 6-30-91.

**FACILITY** PSEG HOPE CREEK GENERATING ST  
**LOCATION** LOWER ALLOWAYS CREEK, NJ 08038  
**DMR NUMBER:** 91120485

**COOLING TOWER BLOWDOWN**  
**MAJOR** SALEM  
**SOUTHERN REGION**

**MONITORING PERIOD**  
 FROM YEAR 92 Q1 TO YEAR 92 Q1  
 (12-21) (12-23) (12-25) (12-27) (12-29) (12-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (42-43)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX	UNITS			
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 2 0 EFFLUENT NET VALUE		00000	00000	0000	00000	0.12	0	MG/L	0	2/mo	calc
		00000	00000	0000	00000	REPORT 30DA AVG	10-0000 DAILY MX	MG/L		THICE/GRAB MONTH	
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 7 0 INTAKE FROM STRE		00000	00000	0000	00000	0.25	0.32	MG/L	-	2/mo	grab
		00000	00000	0000	00000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		1-0000 GRAB MONTH	
PHOSPHORUS, TOTAL (AS P) 00665 1 1 EFFLUENT GROSS VALUE		00000	00000	0000	00000	0.34	0.41	MG/L	-	2/mo	grab
		00000	00000	0000	00000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THICE/GRAB MONTH	
PHOSPHORUS, TOTAL (AS P) 00665 2 1 EFFLUENT NET VALUE		00000	00000	0000	00000	0.11	0.17	MG/L	-	2/mo	calc
		00000	00000	0000	00000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THICE/GRAB MONTH	
PHOSPHORUS, TOTAL (AS P) 00665 7 1 INTAKE FROM STREAM		00000	00000	0000	00000	0.23	0.24	MG/L	-	2/mo	grab
		00000	00000	0000	00000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THICE/GRAB MONTH	
CARBON, TOT ORGANIC (TOC) 00680 1 1 EFFLUENT GROSS VALUE		00000	00000	0000	00000	4.5	5.0	MG/L	-	2/mo	grab
		00000	00000	0000	00000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THICE/GRAB MONTH	
CARBON, TOT ORGANIC (TOC) 00680 2 1 EFFLUENT NET VALUE		00000	00000	0000	00000	1.2	2	MG/L	0	2/mo	calc
		00000	00000	0000	00000	REPORT 30DA AVG	20-0000 DAILY MX	MG/L		THICE/GRAB MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 J. Hagan  
 General Manager  
 Hope Creek Operations  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED 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. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$250,000 and/or maximum imprisonment of between 6 months and 5 years.)

*[Signature]*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 609 339-3463  
 DATE 92 01 24  
 AREA CODE NUMBER YEAR MO DAY

IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF NOT USED, ENTER "NODI" FOR THESE METALS. \* Net values calculated from grab sample results.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME PSE&G  
 ADDRESS P.O. BOX 236/N21  
 HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)  
 NJ0025411

(17-19)  
 461A  
 DISCHARGE NUMBER

Form Approved.  
 OMB No. 2040-0004.  
 Approval expires 6-30-91.

COOLING TOWER BLOWDOWN  
 MAJOR SALEM  
 SOUTHERN REGION

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038  
 DMR NUMBER: 91120485

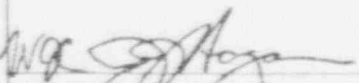
MONITORING PERIOD							
FROM	YEAR	12	DAY	TO	YEAR	12	DAY
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(1 Card Only) QUANTITY OR LOADING (34-51)			(4 Card Only) QUALITY OR CONCENTRATION (34-51)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX	UNITS			
CARBON, TOT ORGANIC (TOC) 00680 7 1 INTAKE FROM STREAM	PERMIT REQUIREMENT	000000	000000	0000	000000	5.8	7.8	MG/L	-	2/mo	grab
CHROMIUM, TOTAL (AS CR) 01034 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	GRAB
CHROMIUM, TOTAL (AS CR) 01034 2 0 EFFLUENT NET VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	CALCULATED
CHROMIUM, TOTAL (AS CR) 01034 7 0 INTAKE FROM STREAM	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	GRAB
COPPER, TOTAL (AS CU) 01042 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	GRAB
COPPER, TOTAL (AS CU) 01042 2 0 EFFLUENT NET VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	CALCULATED
COPPER, TOTAL (AS CU) 01042 7 0 INTAKE FROM STREAM	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 J. Hagan  
 General Manager  
 Hop Creek Operations  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED 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. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$100,000 and/or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  


TELEPHONE 609 339-3463  
 DATE 92 01 24  
 AREA CODE NUMBER YEAR MO DAY

SAMPLE TIME EQUIVALENCY OF ANY LOWER ES REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF NOT USED, ENTER "NODI" FOR THESE METALS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
**PSE&G**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

Form Approved  
 OMB No. 2040-0004  
 Approval expires 6-30-91.

ADDRESS **P.O. BOX 236/N21**  
**HANCOCKS BRIDGE, NJ 08038**

**NJ0025411**  
 PERMIT NUMBER

**461A**  
 DISCHARGE NUMBER

**COOLING TOWER BLOWDOWN**  
 MAJOR **SALEM**  
 SOUTHERN REGION

FACILITY **PSE&G HOPE CREEK GENERATING ST**  
 LOCATION **LOWER ALLOWAYS CREE, NJ 08038**  
 DMR NUMBER: **91120485**

MONITORING PERIOD

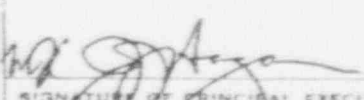
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	91	12	01		91	12	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		XXXXXXXX	XXXXXXXX	UNITS	XXXXXXXX	XXXXXXXX	XXXXXXXX	UNITS			
ZINC, TOTAL (AS ZN) 01092 1 0		000000	000000	0000	000000	NODI	NODI	MG/L	-	-	-
EFFLUENT GROSS VALUE		000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	GRAB
ZINC, TOTAL (AS ZN) 01092 2 0		000000	000000	0000	000000	NODI	NODI	MG/L	-	-	-
EFFLUENT NET VALUE		000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	CALCTD
ZINC, TOTAL (AS ZN) 01092 7 0		000000	000000	0000	000000	NODI	NODI	MG/L	-	-	-
INTAKE FROM STREAM		000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	GRAB
ASBESTOS (FIBROUS) 34225 1 0		000000	000000	0000	000000	<0.00003	<0.00003	UG/L	-	2/mo	grab
EFFLUENT GROSS VALUE		000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	UG/L	-	TWICE/MONTH	GRAB
ASBESTOS (FIBROUS) 34225 2 0		000000	000000	0000	000000	<0.00003	<0.00003	UG/L	-	2/mo	calc
EFFLUENT NET VALUE		000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	UG/L	-	TWICE/MONTH	CALCTD
ASBESTOS (FIBROUS) 34225 7 0		000000	000000	0000	000000	0.00002	0.00002	UG/L	-	2/mo	grab
INTAKE FROM STREAM		000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	UG/L	-	TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0		37.28	41.70	MGD	000000	000000	000000	0000	-	cont	CONTINUOUS
EFFLUENT GROSS VALUE		REPORT 30DA AVG	REPORT DAILY MX	MGD	000000	000000	000000	0000	-	CONTINUOUS	CONTINUOUS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**J. Hagan**  
 General Manager  
 Hope Creek Operations

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED 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 SET IN USC § 1001 AND 33 USC § 1319. (Structure under these statutes may include fines up to \$100k and/or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  


TELEPHONE **609 339-3463** DATE **92 01 24**

SAMPLES FOR ANALYSIS OF CHROMIUM ARE REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF NOT USED, ENTER "NODI" FOR THESE METALS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME PSE&G  
 ADDRESS P.O. BOX 236/N21  
HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

(2-16) NJ0025411 (17-19) 461A  
 PERMIT NUMBER DISCHARGE NUMBER

Form Approved.  
 OMB No. 2040-0004.  
 Approval expires 6-30-91.

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038  
 DMR NUMBER: 91120485

MONITORING PERIOD  
 FROM 51 12 01 TO 51 12 31  
 (120-21) (122-23) (124-25) (126-27) (128-29) (130-31)

COOLING TOWER BLOWDOWN  
 MAJOR SALEM  
 SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX	UNITS			
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	000000	000000		000000	<0.1	<0.1		0	cont	
50060 1 0	PERMIT REQUIREMENT	000000	000000	0000	000000	200000	500000	MG/L		CONTINUOUS	
EFFLUENT GROSS VALUE HEAT (WINTER) (PER HOUR)	SAMPLE MEASUREMENT	278.5	372		000000	000000	000000		0	cont	calc
81387 2 1 (ADMIN)	PERMIT REQUIREMENT	REPORT	731.00000	MBTU/HR	000000	000000	000000	0000		CONTINUOUS	CALCULATED
EFFLUENT NET VALUE	SAMPLE MEASUREMENT	300A AVG	DAILY MX					000			
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: J. Hagan, General Manager, Hope Creek Operations  
 I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED 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 SEE 18 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$100,000 and/or maximum imprisonment of between 6 months and 5 years.  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: [Signature]  
 TELEPHONE: 609 339-3463  
 DATE: 92 01 24

SAMPLING FOR COPPER AND CHROMIUM REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF NOT USED, ENTER "NODI" FOR THESE METALS.



PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME PSE&G  
 ADDRESS P.O. BOX 236/N21  
HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

(2-16) NJ0025411 (17-19) 461C  
 PERMIT NUMBER DISCHARGE NUMBER

Form Approved  
 OMB No. 2040-0004  
 Approval expires 6-30-91.

FACILITY PSE&G HOPE CREEK GENERATING ST

LOCATION LOWER ALLOWAYS CREE, NJ 08038

DMR NUMBER: 91120485

MONITORING PERIOD  
 FROM YEAR 91 MO 12 DAY 01 TO YEAR 91 MO 12 DAY 31  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

LOW VOLUME ~~WM~~ SYSTEM  
 MAJOR SALEM  
 SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(1 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (62-65) QUALITY OR CONCENTRATION (66-73)				NL EX (74-75)	FREQUENCY OF ANALYSIS (76-81)	SAMPLE TYPE (82-85)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 1	SAMPLE MEASUREMENT	000000	000000		000000	16.4	20		-	1/wk	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	DEG-C		WEEKLY	GRAB
PH	SAMPLE MEASUREMENT	000000	000000		8		8		-	1/wk	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	6-XXXXXX MINIMUM		9-XXXXXX MAXIMUM	SU		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0	SAMPLE MEASUREMENT	000000	000000		000000	5	6		0	2/mo	comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	50-XXXXXX 30DA AVG	100-XXXXXX DAILY MX	MG/L		TWICE/ MONTH	COMPOS
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 1 0	SAMPLE MEASUREMENT	000000	000000		000000	0	0		0	2/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	10-XXXXXX 30DA AVG	15-XXXXXX DAILY MX	MG/L		TWICE/ MONTH	GRAB
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0	SAMPLE MEASUREMENT	000000	000000		000000	1	1.2		0	2/mo	comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	35-XXXXXX 30DA AVG	REPORT DAILY MX	MG/L		TWICE/ MONTH	COMPOS
CARBON, TOT ORGANIC (TOC) 00680 1 1	SAMPLE MEASUREMENT	000000	000000		000000	11.8	16	*	0	2/mo	comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	50-XXXXXX DAILY MX	MG/L		TWICE/ MONTH	GRAB
COPPER, TOTAL (AS CU) 01042 1 0	SAMPLE MEASUREMENT	000000	000000		000000	0.020	0.0		0	2/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	20-XXXXXX DAILY MX	MG/L		TWICE/ MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER J. Hagan General Manager Hope Creek Operations TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED 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 SEE 18 USC § 1001 AND 33 USC § 1319. (Facilities under these statutes may include fines up to \$20,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE		
		609 339-3463 AREA CODE NUMBER	92	01	24

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

\* Permit requires composite sample.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
**NAME** PSE&G  
**ADDRESS** P.O. BOX 236/N21  
 HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

(2-16) **NJ0025411** (17-19) **451C**  
 PERMIT NUMBER DISCHARGE NUMBER

Form Approved.  
 OMB No. 2040-0004.  
 Approval expires 6-30-91.  
**LOW VOLUME WW SYSTEM**  
 MAJOR SALEM  
 SOUTHERN REGION

**FACILITY** PSE&G HOPE CREEK GENERATING ST  
**LOCATION** LOWER ALLOWAYS CREEK, NJ 08038  
**DMR NUMBER:** 91120485

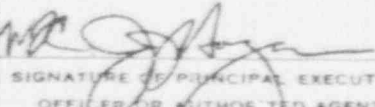
**MONITORING PERIOD**  
 FROM YEAR 91 MO 12 DAY 01 TO YEAR 91 MO 12 DAY 31  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (46-51)			QUALITY OR CONCENTRATION (46-51)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		(46-51)	(46-51)	UNITS	(46-51)	(46-51)	(46-51)	UNITS			
IRON, TOTAL (AS FE) 01045 1 0	XXXXXX	XXXXXX			XXXXXX	XXXXXX	XXXXXX				
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0	0.06	0.10									
EFFLUENT GROSS VALUE	REPORT	REPORT			REPORT	REPORT					
		30DA AVG	DAILY MX	KSD				MG/L		2/mo	grab
										TWICE/MO	GRAB
										or +	
										CONTINUOUS	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 J. Hagan  
 General Manager  
 Hope Creek Operations  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED 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. SEE 18 U.S.C. § 1001 AND 22 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  


TELEPHONE DATE  
 609 339-3463 92 01 24  
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME PSE&G  
 ADDRESS P.O. BOX 236/N21  
HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER NJ0025411 (12-16)  
 DISCHARGE NUMBER 462A (17-19)

Form Approved.  
 OMB No. 2040-0004.  
 Approval expires 6-30-91.

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038  
 DMR NUMBER: 91120485

MONITORING PERIOD  
 FROM 91 12 01 TO 91 12 31  
 (12-01) (12-23) (12-25) (12-27) (12-29) (12-31)


NORTH STORM DRAIN  
 MAJOR SALEM  
 SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (54-57)			(4 Card Only) QUALITY OR CONCENTRATION (54-57)				NO. OF SAMPLES (52-53)	FREQUENCY OF ANALYSIS (54-55)	SAMPLE TYPE (56-59)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX	UNITS			
PH		000000	000000		6.4		6.4		0	1/mo	grab
00400 1 0 EFFLUENT GROSS VALUE		000000	000000	0000	6.0 MINIMUM		9.0 MAXIMUM	SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED		000000	000000								
00530 1 1 (ADMIN) EFFLUENT GROSS VALUE		000000	000000	0000		30 30DA AVG	30 REPORT DAILY MX	MG/L	-	1/mo	grab
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT		000000	000000								
00551 1 0 EFFLUENT GROSS VALUE		000000	000000	0000		0.18 30DA AVG	0 REPORT DAILY MX	MG/L	0	1/mo	grab
CARBON, TOT ORGANIC (TOC)		000000	000000								
00680 1 1 EFFLUENT GROSS VALUE		000000	000000	0000		13 30DA AVG	13 REPORT DAILY MX	MG/L	0	1/mo	grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT											
00050 1 0 EFFLUENT GROSS VALUE											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
J. Hagan  
General Manager  
Hope Creek Operations  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED 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 SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$100k and/or maximum imprisonment of between 6 months and 5 years)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  


TELEPHONE NUMBER 609 339-3463  
 DATE 92 01 24

APPLICANT TO BE TAKEN ANY DURING A DISCHARGE EVENT, EXCEPT FOR PET HC FOR WHICH SAMPLES SHALL BE TAKEN DURING THE 1ST PRECIPITATION EVENT OF MONTH WHICH CAUSES DISCHARGE DURING WORKING HRS & IS PRECEDED BY MINIMUM DRY PERIOD OF 72 HRS. \* Unable to meet sampling criteria due to discharge event occurring prior to and continuing into normal woking hours. A single grab sample was obtained for info only.

PERMITTEE NAME: ADDRESS (Include Facility Name/Location if different)

NAME PSE&G  
 ADDRESS P.O. BOX 236/N21  
 HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

(2-16) NJ0025411 (17-19) 4628  
 PERMIT NUMBER DISCHARGE NUMBER

Form Approved  
 OMB No. 2040-0004  
 Approval expires 6-30-91.

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038  
 DMR NUMBER: 91120485

MONITORING PERIOD							
FROM	YEAR	12	DAY	TO	YEAR	12	DAY
	91	12	01		91	12	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

SEWAGE W.W.W.  
 MAJOR SALEM  
 SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (34-61)			(4 Card Only) QUALITY OR CONCENTRATION (34-61)				NO. OF ANALYSIS (62-65)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX	UNITS			
BOD <sub>5</sub> 5-DAY (20 DEG. C)		32.0	32.0		310	310			-	1/mo	grab
00310 6 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	KG/DAY	REPORT 30DA AVG	REPORT DAILY MX	MG/L			ONCE/MONTH	GRAB
BOD <sub>5</sub> 5-DAY (20 DEG. C)		2.0	2.5		24	24			0	1/mo	grab
00310 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	KG/DAY	REPORT 30DA AVG	REPORT DAILY MX	MG/L			ONCE/MONTH	GRAB
PH					6.5	7.9			0	2/wk	grab
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			MINIMUM		MAXIMUM	SU			TWICE/WEK	GRAB
SOLIDS, TOTAL SUSPENDED					482	482			-	1/mo	comp
00530 6 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT				REPORT 30DA AVG	REPORT DAILY MX	MG/L			ONCE/MONTH	COMPOS
SOLIDS, TOTAL SUSPENDED					14	14			0	1/mo	comp
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				REPORT 30DA AVG	REPORT DAILY MX	MG/L			ONCE/MONTH	COMPOS
OIL AND GREASE					9	9			0	1/mo	grab
00556 1 0 FREON EXTR-GRAV METH	PERMIT REQUIREMENT				REPORT 30DA AVG	REPORT DAILY MX	MG/L			ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		0.018	0.040						-	Daily	Ind
00050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD						DAILY FLUID	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 J. Hagan  
 General Manager  
 Hope Creek Operations  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED 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 SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$100,000 and/or maximum imprisonment of between 6 months and 3 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 609 339-3463  
 DATE 92 01 24

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME PSE&G  
 ADDRESS P.O. BOX 236/N21  
HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

(2-16) NJ0025411 (17-19) 462B  
 PERMIT NUMBER DISCHARGE NUMBER

Form Approved.  
 OMB No. 2040-0004.  
 Approval expires 6-30-91.

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038  
 DMR NUMBER: 91120485

MONITORING PERIOD  
 FROM YEAR 91 MO 12 DAY 01 TO YEAR 91 MO 12 DAY 31  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

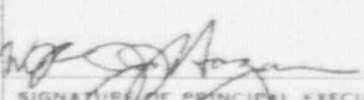
SEWAGE No. 4  
 MAJOR SALEM  
 SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX	UNITS			
COLIFORM, FECAL GENERAL 74055 1 0		000000	000000	UNITS	000000	<1	<1		0	1/mo	grab
EFFLUENT GROSS VALUE		000000	000000	0000	000000	200-00000	400-00000	0/100		ONCE/MONTH	GRAB
BOD, 5-DAY PERCENT REMOVAL 81010 K 0		000000	000000	0000	000000	30DA 6E0	7DA 6E0	ML		ONCE/MONTH	
PERCENT REMOVAL		000000	000000	0000	92.2	92.2	000000		0	1/mo	calc
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0		000000	000000	0000	87.50000	REPORT MONTH MN AVERAGE	000000	PERCENT		ONCE/MONTH	CALCTS
PERCENT REMOVAL		000000	000000	0000	97	97	000000		0	1/mo	calc
OXYGEN DEMAND FIRST STAGE 82210 1 0		000000	000000	0000	85.00000	REPORT MONTH MN AVERAGE	000000	PERCENT		ONCE/MONTH	CALCTS
EFFLUENT GROSS VALUE		3.0	3.0	KG/DAY	000000	29	29	MG/L	0	1/mo	calc
		0-20000	REPORT DAILY MX		000000	REPORT 30DA AVG	REPORT DAILY MX			ONCE/MONTH	CALCTS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
J. Hagan  
General Manager  
Hope Creek Operations  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED 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 SEE 18 USC § 1001 AND 23 USC § 1319. Penalties under these statutes may include fines up to \$100,000 and/or maximum imprisonment of between 6 months and 5 years.

  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 609 339-3463 DATE 92 01 24  
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME PSE&G

ADDRESS P.O. BOX 236/N21  
 HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

(2-16) NJG025411 (17-19) 463A  
 PERMIT NUMBER DISCHARGE NUMBER

Form Approved.  
 OMB No. 2040-0004.  
 Approval expires 6-30-91.

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREEK, NJ 08038  
 DMR NUMBER: 91120485

MONITORING PERIOD  
 FROM YEAR 91 TO 91 TO YEAR 91 TO 91  
 (120-21) (122-23) (124-25) (126-27) (128-29) (130-31)

SOUTH STORM DRAIN  
 MAJOR SALEM  
 SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (34-61)				NO. EX (62-69)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		XXXXXX (46-53)	XXXXXX (54-57)	UNITS	XXXXXX (58-61)	XXXXXX (62-65)	XXXXXX (66-69)	UNITS			
PH		000000	000000		7.0	000000	7.0		0	1/mo	grab
00400 1 0 EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED		000000	000000	0000	6.00000	000000	9.00000	SU		ONCE/MONTH	GRAB
00530 1 1 (ADMIN) EFFLUENT GROSS VALUE HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT		000000	000000	0000	000000	183	183	MG/L	-	1/mo	grab
00551 1 0 EFFLUENT GROSS VALUE CARBON, TOT ORGANIC (TOC)		000000	000000	0000	000000	0.92	1	MG/L	0	1/mo	grab
00680 1 1 EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT		0.21	0.21	MGD	000000	000000	000000	0000	-	1/mo	ONCE/MONTH
00050 1 0 EFFLUENT GROSS VALUE		REPORT 30DA AVG	REPORT DAILY MX	MGD	000000	000000	000000	0000	000	ONCE/MONTH	
		SAMPLE MEASUREMENT									
		PERMIT REQUIREMENT									
		SAMPLE MEASUREMENT									
		PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 J. Hagan  
 General Manager  
 Hope Creek Operations  
 TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 609 339-3463  
 DATE 92 01 24  
 AREA CODE NUMBER YEAR MO DAY

SAMPLES TO BE TAKEN DURING A DISCHARGE EVENT, EXCEPT FOR PET HC FOR WHICH SAMPLES SHALL BE TAKEN DURING THE 1ST PRECIPITATION EVENT OF MONTH WHICH CAUSES DISCHARGE DURING WORKING HRS & IS PRECEDED BY MINIMUM DRY PERIOD OF 72 HRS. \* Unable to meet sample criteria due to discharge event occurring prior to and continuing into normal working hours. A single grab sample was obtained for info only.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME PSE&B

ADDRESS P.O. BOX 236/N21  
 HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER NJ0025411  
 DISCHARGE NUMBER 464A

Form Approved.  
 OMB No. 2040-0004.  
 Approval expires 6-30-91.

FACILITY PSE&B HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038  
 DMR NUMBER: 91120485

MONITORING PERIOD  
 FROM YEAR 91 MO 12 DAY 01 TO YEAR 91 MO 12 DAY 31  
 (12/01) (12/23) (12/25) (12/27) (12/29) (12/31)

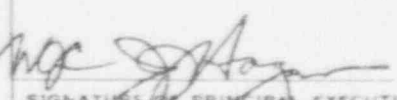
PERIM STORM DRAIN  
 MAJOR SALEM  
 SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		XXXXXXXX	XXXXXXXX	UNITS	XXXXXXXX	XXXXXXXX	XXXXXXXX	UNITS			
PH	SAMPLE MEASUREMENT	555555	555555		7.9	555555	7.9		0	1/mo	grab
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	555555	555555	0000	5.000000 MINIMUM	555555	9.000000 MAXIMUM	SU		ONCE/ MONTH	GRAB
50100 1 0 SOLIDS, TOTAL	SAMPLE MEASUREMENT	555555	555555		555555	14	14		-	1/mo	grab
00530 1 1 (ADMIN) EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	555555	555555	0000	555555	REPORT 30DA AVG	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB
00551 1 0 HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT	SAMPLE MEASUREMENT	555555	555555		555555	<0.5	0	*	0	1/mo	grab
00551 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	555555	555555	0000	555555	REPORT 30DA AVG	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB-3
00680 1 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	555555	555555		555555	11	11		0	1/mo	grab
00680 1 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	555555	555555	0000	555555	REPORT 30DA AVG	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB
50050 1 0 FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.28	0.28		555555	555555	555555		-	1/mo	
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	555555	555555	555555	0000		ONCE/ MONTH	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 J. Hagan  
 General Manager  
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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  


TELEPHONE 609 339-3463  
 DATE 92 01 24  
 AREA CODE NUMBER YEAR MO DAY

COMPLETION OF THIS FORM IS REQUIRED DURING A DISCHARGE EVENT, EXCEPT FOR PET HC FOR WHICH SAMPLES SHALL BE TAKEN DURING THE 1ST PRECIPITATION EVENT OF MONTH WHICH CAUSES DISCHARGE DURING WORKING HRS & IS PRECEDED BY MINIMUM DRY PERIOD OF 72 HRS. \* Unable to meet sampling criteria due to discharge event occurring prior to and continuing into normal working hours. A single grab sample was obtained for info only.