



Public Service Electric and Gas Company P.O. Box 236 Hancock Bridge, New Jersey 08038  
Hope Creek Generating Station

April 25, 1990

George Caporale - Chief  
Bureau of Permits Administration  
P. O. Box CN-029  
Trenton, N. J. 08625  
Report Period March 1990

RE: NEW JERSEY POLLUTANT DISCHARGE  
ELIMINATION SYSTEM  
DISCHARGE MONITORING REPORT  
HOPE CREEK GENERATING STATION  
NJPDDES PERMITS NJ0025411

Dear Sir:

Attached is the Discharge Monitoring Report for Hope Creek  
Generating Station for the month of March 1990.

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 measurements devices and analytical method is  
controlled by EPA and 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 any reading  
or analytical results represent the true value with absolute  
accuracy, nor is it endorsement of the suitability of any  
analytical or measurement procedure.

9005020216 900331  
FDR ADOCK 05000354  
R PDC

The Energy People

TE25  
11

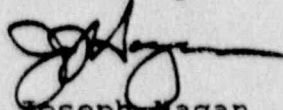
NJPDES

2

4/25/90

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

JF:ejj

Attachments

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

NJPDES  
Explanation of Exceedances  
March 1990

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:

Met Mid-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.

Final approval of limit change from COD to TOC has been received. Analytical results for TOC has included.

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).



NJPDOS  
Explanation of Exceedances  
March 1990

4/25/90

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

DSN No.

EXPLANATION  
NO EXCEEDANCES

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCESMONITORING REPORT - TRANSMITTAL SHEET

NPDES NO.

REPORTING PERIOD

MO. YR.

MO. YR.

0025411

0390 THRU 0390

PERMITTEE:Name Public Service Electric & Gas CompanyAddress P. O. Box 236Hancock's Bridge, N. J. 08038FACILITY:Name Hope Creek Generating StationAddress P. O. Box 236Hancock's Bridge, NJ (County) SalemTelephone (609) 339-3463FORMS 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

## NPDES DISCHARGE MONITORING REPORT

☒

EPA FORM 3320-1

OPERATING EXCEPTIONS

YES

NO

DYE TESTING

☐☒

TEMPORARY BYPASSING

☐☒

DISINFECTION INTERRUPTION

☐☒

MONITORING MALFUNCTIONS

☐☒

UNITS OUT OF OPERATION

☐☒

OTHER

☐☒(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) John M. Hoffman IIGrade & Registry No. N 0396

Signature

John M. Hoffman II

Date

4-24-90PRINCIPAL EXECUTIVE OFFICER or  
DULY AUTHORIZED REPRESENTATIVEName (Printed) Joseph HaganTitle (Printed) Gen. Mgr. - Hope Creek Ops.

Signature

Joseph Hagan

Date

4-25-90

## This image shows a single sheet of white paper with horizontal black ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears slightly aged or off-white. There is no handwriting or other markings on the page.

Year 90

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	6
Others	16	16	24	24	16	16	16	16	16	24	24	16	16	16	16	18
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	-	2	8	8	-	
Others	24	24	16	16	16	16	16	24	24	16	24	22	16	16	24	



**MONITORING REPORT - TRANSMITTAL SHEET**

NJPDES NO.

REPORTING PERIOD

MO. YR.

MO. YR.

0012514111

03/90 THRU 03/90

**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

**NJPDES DISCHARGE MONITORING REPORT**

☒ EPA FORM 3320-1

**OPERATING EXCEPTIONS**

	YES	NO
DYE TESTING	00	XX
TEMPORARY BYPASSING	00	XX
DISINFECTION INTERRUPTION	00	XX
MONITORING MALFUNCTIONS	00	XX
UNITS OUT OF OPERATION	00	XX
OTHER	00	XX

(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 4/9/90

**PRINCIPAL EXECUTIVE OFFICER or  
DULY AUTHORIZED REPRESENTATIVE**

Name (Printed) Joseph Hagan  
Title (Printed) Gen. Mgr. Hope Creek Oper.  
Signature Joseph Hagan  
Date 4-25-90

## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or printed text visible on the paper.

Month 12/31

Year 1910

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
Other			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	
Other	8	8						8	8						8



NAME/ADDRESS (include  
Name, address, and different)  
NAME **PSEGG**  
ADDRESS **P.O. BOX 236/N21**  
**HANCOCKS BRIDGE NJ 08038**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

**NJ0025411**  
PERMIT NUMBER

**461 A**  
DISCHARGE NUMBER

**F - FINAL**  
**COOLING TOWER BLOWDOWN**

FACILITY **PSEGG HOPE CREEK GENERATING ST**  
LOCATION **HANCOCKS BRIDGE NJ 08038**  
ATTN: **MANAGER LICENSING & REGULATION**

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
90	03	01		90	03	31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)						

**MAJOR (SUPR S) SALEM**

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		10.4	18.4	31.9		0	cont	-
	PERMIT REQUIREMENT	*****	*****	****	REPORT	REPORT	39.6			CONTIN	
				****	30DA AVG	DAILY MAX	DEG.C			UOUS	
TEMPERATURE, WATER DEG. CENTIGRADE 00010 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****		4.3	8.7	13.6		-	cont	-
	PERMIT REQUIREMENT	*****	*****	****	REPORT	REPORT	REPORT			CONTIN	
				****	30DA AVG	DAILY MAX	DEG.C			UOUS	
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	63	63		-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			THICE/GRAB	
				****	30DA AVG	DAILY MAX	MG/L			MONTH	
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****		*****	17.8	48	(1)	-	2/mo	calc
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	50			THICE/CALC	
				****	30DA AVG	DAILY MAX	MG/L			MONTH	
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****		*****	45.2	75.5		-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			THICE/GRAB	
				****	30DA AVG	DAILY MAX	MG/L			MONTH	
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		7.4	*****	8.5		0	2/wk	grab
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0			THICE/GRAB	
				****	MINIMUM	*****	MAXIMUM	SU		WEEK	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	100	146		-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			THICE/GRAB	
				****	30DA AVG	DAILY MAX	MG/L			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 SIG-  
NIFICANT 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 \$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

90 04 25

AREA  
CODE

NUMBER

YEAR MO DAY

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

(1) COD limit has been changed to 20mg/L of TOC  
SAMPLING FOR CU, ZN, & CR IS REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF  
NOT USED, ENTER "NODI" FOR THESE METALS.

UPON WRITTEN REQUEST FROM PERMITTEE COD LIMIT MAY BE CHANGED TO 20 MG/L OF TOC

EPA Form 3520-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM 100 WHICH MAY NOT BE USED)

02472/122789-2116

PAGE 1 OF 5

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

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

**NJ0025411**  
 PERMIT NUMBER

**461 A**  
 DISCHARGE NUMBER

F - FINAL

COOLING TOWER BLOWDOWN

FACILITY **PSE&G HOPE CREEK GENERATING ST**  
 LOCATION **HANCOCKS BRIDGE NJ 08038**  
 ATTN: **MANAGER LICENSING & REGULATION**

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	03	01		90	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 5) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (12-17)		QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (54-61)			NO EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SOLIDS, TOTAL SUSPENDED 00530 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****		*****	40.75	69.0	-	2/mo	calc
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		TWICE/CALCTE MONTH
SOLIDS, TOTAL SUSPENDED 00530 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****		*****	59.25	77	-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		TWICE/GRAB MONTH
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.42	0.50	-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		TWICE/GRAB MONTH
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.02	0.04	0	2/mo	calc
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		TWICE/CALCTE MONTH
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****		*****	0.40	0.50	-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		TWICE/GRAB MONTH
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	1.08	1.2	-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		TWICE/GRAB MONTH
PHOSPHORUS, TOTAL (AS P) 00665 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.50	0.64	-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	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 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 \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 609 339-3463  
 AREA CODE NUMBER  
 DATE  
 90 04 25  
 YEAR MO DAY

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

SAMPLING FOR CU, ZN, & CR IS REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF NOT USED, ENTER "NODI" FOR THESE METALS.

AIRBORNE TESTED REQUEST FROM PERMITTEE COD LIMIT MAY BE CHANGED TO 20 MG/L OF TOC



NJ0025411  
PERMIT NUMBER

461 A  
DISCHARGE NUMBER

ACTIVITY PSEEG HOPE CREEK GENERATING ST  
LOCATION HANCOCKS BRIDGE NJ 08038  
ATTN: MANAGER LICENSING & REGULATION

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
90	03	01	90	03	31

MAJOR (SUBR S) SALEH  
NOTE: Read instructions before completing this form.

PARAMETER (12-17)	QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (54-61)			UNITS	FREQUENCY OF ANALYSIS (62-63)	SAMPLE TYPE (69-70)
	AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM			
PHOSPHORUS, TOTAL (AS P)	000000	000000	000000	0.58	0.59	0.58	MG/L	2/mo	grab
INTAKE FROM STREAM	000000	000000	000000	REPORT	REPORT	REPORT	MG/L	TWICE/MONTH	GRAB
CHROMIUM, TOTAL (AS CR)	000000	000000	000000	REPORT	REPORT	REPORT	MG/L	TWICE/MONTH	GRAB
EFFLUENT GROSS VALUE	000000	000000	000000	REPORT	REPORT	REPORT	MG/L	TWICE/MONTH	GRAB
CHROMIUM, TOTAL (AS CR)	000000	000000	000000	REPORT	REPORT	REPORT	MG/L	TWICE/MONTH	GRAB
EFFLUENT NET VALUE	000000	000000	000000	REPORT	REPORT	REPORT	MG/L	TWICE/MONTH	GRAB
CHROMIUM, TOTAL (AS CR)	000000	000000	000000	REPORT	REPORT	REPORT	MG/L	TWICE/MONTH	GRAB
INTAKE FROM STREAM	000000	000000	000000	REPORT	REPORT	REPORT	MG/L	TWICE/MONTH	GRAB
COPPER, TOTAL (AS CU)	000000	000000	000000	REPORT	REPORT	REPORT	MG/L	TWICE/MONTH	GRAB
EFFLUENT GROSS VALUE	000000	000000	000000	REPORT	REPORT	REPORT	MG/L	TWICE/MONTH	GRAB
COPPER, TOTAL (AS CU)	000000	000000	000000	REPORT	REPORT	REPORT	MG/L	TWICE/MONTH	GRAB
EFFLUENT NET VALUE	000000	000000	000000	REPORT	REPORT	REPORT	MG/L	TWICE/MONTH	GRAB
COPPER, TOTAL (AS CU)	000000	000000	000000	REPORT	REPORT	REPORT	MG/L	TWICE/MONTH	GRAB
INTAKE FROM STREAM	000000	000000	000000	REPORT	REPORT	REPORT	MG/L	TWICE/MONTH	GRAB

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 INFORMATION SUBMITTED HEREIN, I BELIEVE THE  
INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE  
SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING  
33 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.)

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
General Manager-Hope Creek  
Operations  
TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
DATE



NAME \_\_\_\_\_ PSE4G  
ADDRESS \_\_\_\_\_ P.O. BOX 236/N21  
CITY \_\_\_\_\_ HANCOCKS BRIDGE  
STATE \_\_\_\_\_ NJ 08038

NJ0025411
PERMIT NUMBER

461 A	DISCHARGE NUMBER
-------	------------------

**F - FINAL  
COOLING TOWER BLOWDOWN**

PROPERTY PSEB HOPE CREEK GENERATING ST  
LOCATION HANCOCKS BRIDGE NJ 08038  
ATTN: MANAGER LICENSING & REGULATION

MONITORING PERIOD					
FROM				TO	
YEAR	MO	DAY	YEAR	MO	DAY
90	03	01	90	03	31

MAJOR (SUBR 5 ) SALEM

**NOTE: Read instructions before completing this form.**

[illegible]

SAMPLING FOR CU, ZN, & CR IS REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF (NOT) USED, ENTER "NODI" FOR THESE METALS.

UPON RECEIVING REQUEST FROM PERSONS TO 20 MG/L OF TOC

NAME/ADDRESS (Include  
State/Zip/County/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)

**NJ0025411**  
PERMIT NUMBER

**461 A**  
DISCHARGE NUMBER

**F - FINAL**  
**COOLING TOWER BLOWDOWN**

FACILITY **PSE&G HOPE CREEK GENERATING ST**  
LOCATION **HANCOCKS BRIDGE NJ 08038**  
ATTN: **MANAGER LICENSING & REGULATION**

MONITORING PERIOD						
FROM			TO			
YEAR	MO	DAY	YEAR	MO	DAY	
90	03	01	90	03	31	
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)	

**MAJOR (SUBR 5) SALEM**

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
CHLORINE, TOTAL RESIDUAL 50060 1 0 0		*****	*****		<0.05	<0.05	0.09		0	cont
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT	0.2 30DA AVG	0.9 DAILY MAX	MG/L		CONTINUOUS
HEAT (WINTER) (PER HOUR) 81387 2 0 0		228.7	433.1		*****	*****	*****	(2)	0	cont
EFFLUENT NET VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	338 MBTU/ DAILY MAX HR		*****	*****	*****	****		CONTINUOUS
Organic Carbon Total Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	5.65	7.1	mg/L	-	2/mo
	PERMIT REQUIREMENT					30 day avg	daily max			2/mo
Organic Carbon Total Effluent Net Value	SAMPLE MEASUREMENT	*****	*****		*****	0.38	1.9		0	2/mo
	PERMIT REQUIREMENT					30 day avg	20 daily max	mg/L		2/mo
Organic Carbon Total Intake From Stream	SAMPLE MEASUREMENT	*****	*****		*****	5.27	5.34		-	2/mo
	PERMIT REQUIREMENT					30 day avg	daily max	mg/L		2/mo
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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 SIG-  
NIFICANT 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 \$10,000  
and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
609 339-3463  
AREA CODE NUMBER  
DATE  
90 04 25  
YEAR MO DAY

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

(2) Interim limit of 731 MBTU/hr in effect.

SAMPLING FOR CU, ZN, & CR IS REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF  
NOT USED, ENTER "NODI" FOR THESE METALS.

UPON WRITTEN REQUEST FROM PERMITTEE COD LIMIT MAY BE CHANGED TO 20 MG/L OF TBC

EPA Form 3520-1 (Rev. 9-89) Previous editions may be used.

REFERENCES FOR FORMS WHICH MAY NOT BE USED

02476/122789-2116



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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(12-16) (17-19)

**NJ0025411**

PERMIT NUMBER

**461 C**

DISCHARGE NUMBER

**F - FINAL**  
**LOW VOLUME WW SYSTEM**

ACTIVITY **PSE&G HOPE CREEK GENERATING ST**  
LOCATION **HANCOCKS BRIDGE NJ 08038**

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	03	01		90	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

**MAJOR (SUBR 5) SALEM**

NOTE: Read instructions before completing this form.

ATTN: **MANAGER LICENSING & REGULATION**

PARAMETER (12-17)	X	QUANTITY OR LOADING (18-21)			QUALITY OR CONCENTRATION (22-25)				NO. EX (26-27)	FREQUENCY OF ANALYSIS (28-29)	SAMPLE TYPE (30-31)
		AVERAGE (18-19)	MAXIMUM (20-21)	UNITS (22-23)	MINIMUM (24-25)	AVERAGE (26-27)	MAXIMUM (28-29)	UNITS (30-31)			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0 0	SAMPLE MEASUREMENT	*****	*****		21.0	26.8	30.0		-	2/wk	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT	REPORT	REPORT			WEEKLY	GRAB
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	11	12	(1)	-	2/mo	comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	100			TWICE/COMPOS	
PH	SAMPLE MEASUREMENT	*****	*****		7.7	*****	8.2		0	2/wk	grab
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		WEEKLY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	9.1	13.8		0	2/mo	comp
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	30	100			TWICE/COMPOS	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	30DA AVG	DAILY MX	MG/L		MONTH	
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMA 00551 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.39	0.47		0	2/mo	grab
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	10	15			TWICE/GRAB	
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	30DA AVG	DAILY MX	MG/L		MONTH	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.37	0.40		0	2/mo	comp
COPPER, TOTAL (AS CU) 01042 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	35	REPORT			TWICE/COMPOS	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	30DA AVG	DAILY MX	MG/L		MONTH	
	PERMIT REQUIREMENT	*****	*****	****	*****	0.023	0.03		0	2/mo	grab
	SAMPLE MEASUREMENT	*****	*****		*****	REPORT	42			TWICE/GRAB	
	PERMIT REQUIREMENT	*****	*****	****	*****	30DA AVG	DAILY MX	MG/L		MONTH	

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 \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

**J. Bagan**  
General Manager-Hope Creek  
Operations  
TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
609 339-3463

DATE  
90 04 25

UPON WRITTEN REQUEST FROM THE PERMITTEE COD LIMIT MAY BE CHANGED TO 50 MG/L TOC.



NAME/ADDRESS (Include location if different)  
 NAME **PSEG**  
 ADDRESS **P.O. BOX 236/N21**  
**HANCOCKS BRIDGE NJ 08038**  
 FACILITY **PSEG HOPE CREEK GENERATING ST**  
 LOCATION **HANCOCKS BRIDGE NJ 08038**  
 ATTN: **MANAGER LICENSING & REGULATION**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)

**NJ0025411**  
 PERMIT NUMBER

**461 C**  
 DISCHARGE NUMBER

**F - FINAL**  
**LOW VOLUME MW SYSTEM**

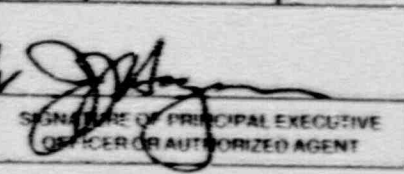
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
90	03	01		90	03	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

**MAJOR (SUBR 5) SALEM**  
 NOTE: Read instructions before completing this form.

PARAMETER (12-17)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.74	0.98	-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY MAX		TEICE/30DA MONTH	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 00050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.066	0.108		*****	*****	*****	0	cont	-
	PERMIT REQUIREMENT	REPORT 30DA AVG	0.45 DAILY MAX	MGD	*****	*****	*****	****	CONTIN UOUS	
Organic Carbon Total Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	8.87	14.03	0	2/mo	comp
	PERMIT REQUIREMENT					30 Day avg	50 daily max	mg/L	2/mo	comp
	SAMPLE MEASUREMENT									
	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**  
 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 \$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	90	04	25
AREA CODE	NUMBER	YEAR	MO	DAY

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

**UPON WRITTEN REQUEST FROM THE PERMITTEE COD LIMIT MAY BE CHANGED TO 50 MG/L TOC.**

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

**NJ0025411**

PERMIT NUMBER

**462 A**

DISCHARGE NUMBER

**F - FINAL**  
**NORTH STORM DRAIN**

FACILITY **PSEEG HOPE CREEK GENERATING ST**  
LOCATION **HANCOCKS BRIDGE NJ 08038**

ATTN: **MANAGER LICENSING & REGULATION**

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	03	01		90	03	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

**MAJOR (SUBR 5) SALEM**

NOTE: Read instructions before completing this form.

PARAMETER (12-17)		(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)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0 EFFLUENT GROSS VALUE PH	SAMPLE MEASUREMENT	*****	*****		*****	42	42	(1)	-	1/mo grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	100 DAILY MX	MG/L	ONCE/ MONTH	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		7.7	*****	7.7		0	1/mo grab
	PERMIT REQUIREMENT	*****	*****	****	6.0 MAXIMUM	*****	9.0 MAXIMUM	SU	ONCE/ MONTH	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT	SAMPLE MEASUREMENT	*****	*****		*****	428.7	842	(3)	-	3/mo grab
	PERMIT REQUIREMENT	*****	*****	****	*****	30 30DA AVG	100 DAILY MX	MG/L	ONCE/ MONTH	GRAB
00551 1 0 0 EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	*****	*****		*****	0.94	0.94		0	1/mo grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	15 DAILY MX	MG/L	ONCE/ MONTH	GRAB-1
00050 1 0 0 EFFLUENT GROSS VALUE Organic Carbon Total Effluent Gross Value	SAMPLE MEASUREMENT	0.699	0.099		*****	*****	*****	****	-	1/mo -
	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****	ONCE/ MONTH	
	SAMPLE MEASUREMENT	*****	*****		*****	9.13	9.13	mg/L	0	1/mo grab
	PERMIT REQUIREMENT					30 day avg	50 daily max		1/mo	grab
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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 \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
**609 339-3463**  
AREA CODE NUMBER  
DATE  
**90 04 25**  
YEAR MO DAY

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

(1) COD limit has been changed to 50mg/L TOC (3) Interim limit has been lifted.  
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 DAY PERIOD OF 12 HRS. UPON WRITTEN REQUEST FROM PERMITTEE COD LIMIT MAY BE CHANGED TO 50 MG/L OF TOC.

(4) sampling prerequisites not met

02485/122789-2116



NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NAME ADDRESS (Include

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NJ0025411

PERMIT NUMBER

662 B

DISCHARGE NUMBER

F - FINAL

SEWAGE M.W.

MONITORING PERIOD

YEAR MO DAY

YEAR MO DAY

FROM

TO

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

MAJOR (SUBR 5) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
RHD, 5-DAY (20 DEG. C)		N/A	N/A		*****	756	756		-	1/mo	grab
00310 G 0 0	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT KG/DAILY RX DAY		*****	REPORT 30DA AVG	REPORT DAILY RX	MG/L		ONCE/ MONTH	GRAB
RAW SEW/INFLUENT											
RHD, 5-DAY (20 DEG. C)		0.167	0.167		*****	2.0	2.0		0	1/mo	grab
00310 1 0 0	PERMIT REQUIREMENT	6.0 30DA AVG	REPORT KG/DAILY RX DAY		*****	REPORT 30DA AVG	REPORT DAILY RX	MG/L		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE											
PH		*****	*****		6.1	*****	7.7		0	24/mo	grab
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		THREE/ WEEK	GRAB
EFFLUENT GROSS VALUE											
SOLIDS, TOTAL SUSPENDED		*****	*****		*****	490	490		-	1/mo	comp
00530 G 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY RX	MG/L		ONCE/ MONTH	COMPOS
RAW SEW/INFLUENT											
SOLIDS, TOTAL SUSPENDED		*****	*****		*****	4.0	4.0		0	1/mo	comp
00530 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	30 30DA AVG	100 DAILY RX	MG/L		ONCE/ MONTH	COMPOS
EFFLUENT GROSS VALUE											
OIL AND GREASE		*****	*****		*****	0.11	0.11		0	1/mo	grab
PFON EXTR-GRAV METH											
00556 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	10 30DA AVG	13 DAILY RX	MG/L		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		0.022	0.051		*****	*****	*****		-	daily	Flo Ind
00050 1 0 0	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY RX	MGD	*****	*****	*****	****		DAILY FLOWING	
EFFLUENT GROSS VALUE											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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 \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

TELEPHONE DATE

609 339-3463 90 04 25

AREA CODE NUMBER YEAR MO DAY

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM 1-88 WHICH MAY NOT BE USED.)

02490/122789-2116

PAGE 1 OF 2



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

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

NJ0025411  
PERMIT NUMBER

462 B  
DISCHARGE NUMBER

F - FINAL  
SEWAGE M.W.

ACTIVITY PSEEG HOPE CREEK GENERATING ST  
LOCATION HANCOCKS BRIDGE NJ 08038  
ATTN: MANAGER LICENSING & REGULATION

MONITORING PERIOD						
FROM				TO		
YEAR	MO	DAY		YEAR	MO	DAY
90	03	01		90	03	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUDB S) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (12-17)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (42-51)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	<1.0	<1.0	0	1/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	200 30DA 6EO	600 7DA 6EO	0	ONCE/	GRAB MONTH
BOD, 5-DAY PERCENT REMOVAL A1010 K G 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****		99.7	*****	*****	0	1/mo	calc
	PERMIT REQUIREMENT	*****	*****	****	87.5 MONTH RM	*****	*****	0	ONCE/	CALCTH MONTH
SOLIDS, SUSPENDED PERCENT REMOVAL A1011 K O 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****		99.2	*****	*****	0	1/mo	calc
	PERMIT REQUIREMENT	*****	*****	****	85 MONTH RM	*****	*****	0	ONCE/	CALCTH MONTH
OXYGEN DEMAND FIRST STAGE A2210 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.201	*****		*****	*****	*****	0	1/mo	calc
	PERMIT REQUIREMENT	0.2 30DA AVG	REPORT KG/ DAILY MX DAY		*****	REPORT 30DA AVG	REPORT DAILY MX	0	ONCE/	CALCTH MONTH
	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  
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 \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

609  
AREA  
CODE

339-3463  
NUMBER

90  
YEAR

04  
MO

25  
DAY

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

DISCHARGE NUMBER	403 A
------------------	-------

MAJOR (SUBR S ) SALEM

**NOTE: Read instructions before completing this form.**

ADDRESS: PSEG HOPE CREEK GENERATING ST  
 LOCATION: HANCOCKS BRIDGE NJ 08030  
 ATTN: MANAGER LICENSING & REGULATION

(1) COD limit has been changed to 50mg/L TOC (3) Interim limit has been lifted

SAMPLES TO BE TAKEN DURING A DISCHARGE EVENT, EXCEPT FOR PET MC FOR WHICH SAMPLES SHALL BE TAKEN DURING THE 1ST PRECIPITATION EVENT OF MONTH WHICH CAUSES DISCHARGE DURING WORKING MRS & IS PRECEDED BY MINIMUM SIXTY FIVE PERCENT OF TSS FROM PREVIOUS TWO COD LIMIT MAY BE CHANGED TO 50 MG/L OF TOC

(4) Sampling prerequisites not met 02494/122789-2116 PAGE 1



PSEEG  
P.O. BOX 236/N21  
HANCOCKS BRIDGE NJ 08038

NJ0025411  
PERMIT NUMBER

664 A  
DISCHARGE NUMBER

F - FINAL  
PERIM STORM DRAIN

PSEEG HOPE CREEK GENERATING ST  
HANCOCKS BRIDGE NJ 08038

ATTN: MANAGER LICENSING & REGULATION

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
90	03	01	90	03	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

MAJOR (SUBR S) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (12-17)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD) 00340 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	50	50	-	1/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	100 DAILY MAX	(1)	ONCE/ MONTH	GRAB
00400 1 0 0	SAMPLE MEASUREMENT	*****	*****		7.3	*****	7.3	0	1/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM		ONCE/ MONTH	GRAB
PHOSPHORUS, TOTAL DIPENDED 00330 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	41.5	62.5	(3)	3/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30 30DA AVG	100 DAILY MAX		ONCE/ MONTH	GRAB
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	0.46	0.46	(4)	1/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	15 DAILY MAX		ONCE/ MONTH	GRAB-3
LOW, IN CONDUIT OR THRU TREATMENT PLANT 00350 1 0 0	SAMPLE MEASUREMENT	0.139	0.139		*****	*****	*****	-	1/mo	-
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MAX	MGD	*****	*****	*****	****	ONCE/ MONTH	
Organic Carbon	SAMPLE MEASUREMENT	*****	*****		*****	10.3	10.3	0	1/mo	grab
Total Effluent Gross Value	PERMIT REQUIREMENT					30 day avg	50 Daily max	mg/L	1/mo	grab
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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 SIG-  
NIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING  
THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND  
33 U.S.C. § 1019. (Penalties under these statutes may include fines up to \$10,000  
and a maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

609 339-3463

90 04 25

AREA  
CODE

NUMBER

YEAR

MO

DAY

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

(1) COD Limit has been changed to 50mg/L TOC (3) Interim limit has been lifted.  
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  
ONLY: PERIOD OF 72 HRS. UPON WRITTEN REQUEST FROM PERMITTEE COD LIMIT MAY BE CHANGED TO 50 MG/L OF TOC.

(4) Sampling prerequisites not met 02497/122789-2116

PAGE  
OF  
1 1