



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

Hope Creek Generating Station

January 24, 1992

Chief George Corporate
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

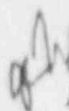
9202030009 911231
PDR ADDCK 05000354
R PDR

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 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.

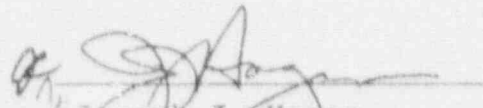
EXPLANATION

No Exceedances

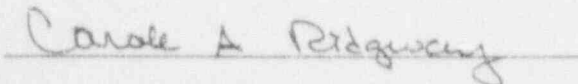
COUNTY OF SALEM
STATE OF NEW JERSEY

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

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

NJDES NO.

REPORTING PERIOD

MO. YR.

MO. YR.

00,25,41,11,2,9,1 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-009SLUDGE REPORTS - INDUSTRIAL☐ T-VWX-010A ☐ T-VWX-010BWASTEWATER REPORTS☐ T-VWX-011 ☐ T-VWX-012 ☐ T-VWX-013GROUNDWATER REPORTS☐ VWX-015(A,B) ☐ VWX-016 ☐ VWX-017NJDES DISCHARGE MONITORING REPORT☒ EPA FORM 3320-1OPERATING 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

The following are some of the most common types of errors found in the manuscript:

- 1. **Spelling Errors:** Several words were misspelled, such as "the" instead of "there" and "and" instead of "an".
- 2. **Punctuation Errors:** There were several instances where punctuation marks were missing or misplaced, leading to confusion.
- 3. **Capitalization Errors:** Some words were capitalized incorrectly, such as "The" at the beginning of a sentence.
- 4. **Grammar Errors:** There were several grammatical errors, including subject-verb agreement and tense consistency.

These errors were identified through a careful review of the manuscript and corrected to ensure clarity and accuracy.

Month 112 Year 911

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			

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

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 [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 [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 PLANTMonth 12Year 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
NJPOES 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/mle

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

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)
(2-16) NJ0025411 (17-19) 461A
PERMIT NUMBER DISCHARGE NUMBER
MONITORING PERIOD
FROM 5/1 12 0/1 TO 5/1 12 0/1
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)


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

COOLING TOWER BLOWDOWN
MAJOR SALEM
SOUTHERN REGION

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

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS	NC EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		XXXXXX (46-47)	XXXXXX (48-49)	UNITS (50-53)	XXXXXX (54-55)	XXXXXX (56-57)	XXXXXX (58-61)				
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 1	SAMPLE MEASUREMENT	000000	000000		000000	18.8	24.3	DEG.C	0	cont	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	35-50000 DAILY MX	DEG.C		CONTIN UOUS	
TEMPERATURE, WATER DEG. CENTIGRADE 00010 7 1	SAMPLE MEASUREMENT	000000	000000		000000	6.8	10.4	DEG.C	-	cont	
INTAKE FROM STREAM PH	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	DEG.C		CONTIN UOUS	
00400 1 0	SAMPLE MEASUREMENT	000000	000000		000000		9	SU	0	2/wk	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	MINIMUM	MAXIMUM	SU		THICE/GRAB WEEK	
SOLIDS, TOTAL SUSPENDED 00530 1 0	SAMPLE MEASUREMENT	000000	000000		000000	90	114	MG/L	-	2/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THICE/GRAB MONTH	
SOLIDS, TOTAL SUSPENDED 00530 2 0	SAMPLE MEASUREMENT	000000	000000		000000	44	62	MG/L	-	2/mo	calc
EFFLUENT NET VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THICE/CALC MONTH	
SOLIDS, TOTAL SUSPENDED 00530 7 0	SAMPLE MEASUREMENT	000000	000000		000000	46	52	MG/L	-	2/mo	grab
INTAKE FROM STREAM	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THICE/GRAB MONTH	
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 1 0	SAMPLE MEASUREMENT	000000	000000		000000	0.21	0.18	MG/L	-	2/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THICE/GRAB MONTH	

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 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 USC § 1001 AND 33 USC § 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 609 335-3463	DATE 92 01 24
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR NO DAY

SAMPLING EXPLANATION: ANY 6 METALS 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 PSEGG
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 PSEGG HOPE CREEK GENERATING ST
LOCATION LOWER ALLOWAYS CREE, NJ 08038
DMR NUMBER: 91120485

COOLING TOWER BLOWDOWN
MAJOR SALEP
SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(1 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)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX			
HYDROCARBONS, IN H ₂ O, IR, CC14 EXT. CHROMAT 00551 2 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.12	0	0	2/mo	calc
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	10-***** DAILY MX	MG/L	THICE/GRAB MONTH	
HYDROCARBONS, IN H ₂ O, IR, CC14 EXT. CHROMAT 00551 7 0 INTAKE FROM STRE	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.25	0.32	-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L	1-42CE/GRAB MONTH	
PHOSPHORUS, TOTAL (AS P) 00665 1 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.34	0.41	-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L	THICE/GRAB MONTH	
PHOSPHORUS, TOTAL (AS P) 00665 2 1 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.11	0.17	-	2/mo	calc
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L	THICE/GRAB MONTH	
PHOSPHORUS, TOTAL (AS P) 00665 7 1 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.23	0.24	-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L	THICE/GRAB MONTH	
CARBON, TOT ORGANIC (TOC) 00680 1 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	4.5	5.0	-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L	THICE/GRAB MONTH	
CARBON, TOT ORGANIC (TOC) 00680 2 1 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	1.2	2	-	2/mo	calc
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	20-***** 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 OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
609/339-3463 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
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 Y2 12 Y3 01 TO YEAR 91 Y2 12 Y3 01
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

COOLING TOWER BLOWDOWN
MAJOR SALEM
SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		XXXXXX (46-53)	XXXXXX (54-57)	UNITS (58-61)	XXXXXX (54-57)	XXXXXX (58-61)	XXXXXX (62-65)			
CARBON, TOT ORGANIC (TOC) 00680 7 1 INTAKE FROM STREAM	SAMPLE MEASUREMENT	000000	000000		000000	5.8	7.8	-	2/mo	grab
	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX		TWICE/GRAB MONTH	
CHROMIUM, TOTAL (AS CR) 01034 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	000000	000000		000000	NODI	NODI	-	-	-
	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX		TWICE/GRAB MONTH	
CHROMIUM, TOTAL (AS CR) 01034 2 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	000000	000000		000000	NODI	NODI	-	-	-
	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX		TWICE/GRAB MONTH	
CHROMIUM, TOTAL (AS CR) 01034 7 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	000000	000000		000000	NODI	NODI	-	-	-
	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX		TWICE/GRAB MONTH	
COPPER, TOTAL (AS CU) 01042 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	000000	000000		000000	NODI	NODI	-	-	-
	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX		TWICE/GRAB MONTH	
COPPER, TOTAL (AS CU) 01042 2 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	000000	000000		000000	NODI	NODI	-	-	-
	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX		TWICE/GRAB MONTH	
COPPER, TOTAL (AS CU) 01042 7 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	000000	000000		000000	NODI	NODI	-	-	-
	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	REPORT DAILY MX		TWICE/GRAB MONTH	

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)	TELEPHONE	DATE		
J. Hagan General Manager Hop Creek Operations TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	609 339-3463	92	01

SAMPLEING EQUIPMENT OR ANALYSIS REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF NOT USED, ENTER "NODI" FOR THESE METALS.

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

DISCHARGE MONITORING REPORT (DMR)

 (12-16) **NJ0025411**
 PERMIT NUMBER
 (17-19) **461A**
 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 **Y11 M12 D01** TO **Y11 M12 D31**
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

 COOLING TOWER BLOWDOWN
 MAJOR **SALEM**
 SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(4 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	000000	000000		000000	NODI	NODI	-	-	-
01092 1 0	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT	REPORT			
EFFLUENT GROSS VALUE				0000		30DA AVG	DAILY MX			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	000000	000000		000000	NODI	NODI	-	-	-
01092 2 0	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT	REPORT			
EFFLUENT NET VALUE				0000		30DA AVG	DAILY MX			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	000000	000000		000000	NODI	NODI	-	-	-
01092 7 0	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT	REPORT			
INTAKE FROM STREAM				0000		30DA AVG	DAILY MX			
ASBESTOS (FIBROUS)	SAMPLE MEASUREMENT	000000	000000		000000	<0.00003	<0.00003	-	2/mo	grab
34225 1 0	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT	REPORT			
EFFLUENT GROSS VALUE				0000		30DA AVG	DAILY MX			
ASBESTOS (FIBROUS)	SAMPLE MEASUREMENT	000000	000000		000000	<0.00003	<0.00003	-	2/mo	calc
34225 2 0	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT	REPORT			
EFFLUENT NET VALUE				0000		30DA AVG	DAILY MX			
ASBESTOS (FIBROUS)	SAMPLE MEASUREMENT	000000	000000		000000	0.00002	0.00002	-	2/mo	grab
34225 7 0	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT	REPORT			
INTAKE FROM STREAM				0000		30DA AVG	DAILY MX			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	37.28	41.70		000000	000000	000000	-	cont	
50050 1 0	PERMIT REQUIREMENT	REPORT	REPORT		000000	000000	000000	0000		
EFFLUENT GROSS VALUE		30DA AVG	DAILY MX	MGD				000		

 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 FAMILAR 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 SET IN USC § 1001 AND
 33 USC § 1319. (Structure 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

 SAMPLES FOR COPPER, ZINC, & CHROMIUM ARE REQUIRED 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**

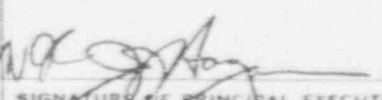
COOLING TOWER BLOWDOWN
MAJOR SALEM
SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(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)
		XXXXXX AVERAGE	XXXXXX PERMIT	UNITS	XXXXXX AVERAGE	XXXXXX PERMIT	XXXXXX AVERAGE	UNITS			
CHLORINE, TOTAL RESIDUAL 50060 1 0 EFFLUENT GROSS VALUE HEAT (WINTER) (PER HOUR) 81387 2 1 (ADMIN) EFFLUENT NET VALUE	SAMPLE MEASUREMENT	000000	000000		000000	<0.1	<0.1		0	cont	
	PERMIT REQUIREMENT	000000	000000	0000	000000	200000 30DA AVG	500000 DAILY MX	MG/L		CONTINUOUS	
	SAMPLE MEASUREMENT	278.5	372		000000	000000	000000		0	cont	calc
	PERMIT REQUIREMENT	REPORT 30DA AVG	731.00000 DAILY MX	MBTU/ HR	000000	000000	000000	0000		CONTINUOUS	
	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 USC § 1001 AND 33 USC § 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
92 01 24
 YEAR MO DAY

SAMPLING FOR CU, ZN, & CR 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 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

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
SOUTHERN REGION

SALEM

DMR NUMBER: 91120485

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS	NL EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX				
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
00400 1 0	PERMIT REQUIREMENT	000000	000000	0000	6-000000 MINIMUM	9-000000 MAXIMUM		SU			WEEKLY GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	000000	000000		5	6			0	2/mo	comp
SOLIDS, TOTAL SUSPENDED 00530 1 0	PERMIT REQUIREMENT	000000	000000	0000	000000	50-000000 30DA AVG	100-000000 DAILY MX	MG/L			TWICE/COMPOS MONTH
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	000000	000000		0	0			0	2/mo	grab
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 1 0	PERMIT REQUIREMENT	000000	000000	0000	000000	10-000000 30DA AVG	15-000000 DAILY MX	MG/L			TWICE/GRAB MONTH
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	000000	000000		1	1.2			0	2/mo	comp
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0	PERMIT REQUIREMENT	000000	000000	0000	000000	35-000000 30DA AVG	REPORT DAILY MX	MG/L			TWICE/COMPOS MONTH
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	000000	000000		11.8	16		*	0	2/mo	comp
CARBON, TOT ORGANIC (TOC) 00680 1 1	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	50-000000 DAILY MX	MG/L			TWICE/GRAB MONTH
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	000000	000000		0.020	0.0			0	2/mo	grab
COPPER, TOTAL (AS CU) 01042 1 0	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT 30DA AVG	20-000000 DAILY MX	MG/L			TWICE/GRAB MONTH
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 SIG-
NIFICANT 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

DATE

609 339-3463
AREA CODE NUMBER

92 01 24
YEAR MO DAY

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.

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 WW SYSTEM
MAJOR SALEM
SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		XXXXXX (46-53)	XXXXXX (54-61)	UNITS	XXXXXX (38-45)	XXXXXX (46-53)	XXXXXX (54-61)				
IRON, TOTAL (AS FE) 01045 1 0	SAMPLE MEASUREMENT	000000	000000		000000	0.90	0.91		-	2/mo	grab
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0	PERMIT REQUIREMENT	000000	000000	0000 0000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		TWICE/GRAB MONTH	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.06	0.10		000000	000000	000000		-	or +	
	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	KSD	000000	000000	000000	0000 000		CONTINUOUS	
	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 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 USC § 1001 AND 2385C § 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)

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)

NORTH STORM DRAIN

MAJOR

SALEM

SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (54-68)	SAMPLE TYPE (59-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX			
PH	SAMPLE MEASUREMENT	000000	000000		6.4		6.4	0	1/mo	grab
00400 1 0	PERMIT REQUIREMENT	000000	000000	0000	6.0 MINIMUM	000000	9.0 MAXIMUM	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE										
SOLIDS, TOTAL	SAMPLE MEASUREMENT	000000	000000			30	30	-	1/mo	grab
00530 1 1 (ADMIN)	PERMIT REQUIREMENT	000000	000000	0000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE										
HYDROCARBONS, IN H2O,	SAMPLE MEASUREMENT	000000	000000			0.18	0	0	1/mo	grab
IR, CC14 EXT. CHROMAT	PERMIT REQUIREMENT	000000	000000	0000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	0	ONCE/MONTH	GRAB
00551 1 0										
EFFLUENT GROSS VALUE										
CARBON, TOT ORGANIC	SAMPLE MEASUREMENT	000000	000000			13	13	0	1/mo	grab
(TOC)	PERMIT REQUIREMENT	000000	000000	0000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	0	ONCE/MONTH	GRAB
00680 1 1										
EFFLUENT GROSS VALUE										
FLOW, IN CONDUIT OR	SAMPLE MEASUREMENT	0.20	0.20					-	1/mo	
THRU TREATMENT PLANT	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD				0000	ONCE/MONTH	
50050 1 0										
EFFLUENT GROSS VALUE										
	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 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

TELEPHONE

DATE

609 339-3463

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 sampling 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&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 91 TO YEAR 91
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

SEWAGE WASTE
MAJOR SALEM
SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. OF ANALYSIS (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX			
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	32.0	32.0		REPORT	310	310	-	1/mo	grab
00310 6 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	KG/ DAY	REPORT	REPORT	MG/L	ONCE/ MONTH	GRAB	
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	2.0	2.5		REPORT	24	24	0	1/mo	grab
00310 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	KG/ DAY	REPORT	REPORT	MG/L	ONCE/ MONTH	GRAB	
PH	SAMPLE MEASUREMENT	6.5	7.9		MINIMUM	MAXIMUM	SU	0	2/wk	grab
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MG/L	REPORT	REPORT	MG/L	ONCE/ MONTH	COMPOS	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	482	482		REPORT	REPORT	MG/L	ONCE/ MONTH	COMPOS	
00530 6 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MG/L	REPORT	REPORT	MG/L	ONCE/ MONTH	COMPOS	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	14	14		REPORT	REPORT	MG/L	ONCE/ MONTH	COMPOS	
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MG/L	REPORT	REPORT	MG/L	ONCE/ MONTH	COMPOS	
OIL AND GREASE	SAMPLE MEASUREMENT	9	9		REPORT	REPORT	MG/L	ONCE/ MONTH	COMPOS	
FREON EXTR-GRAV METH	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MG/L	REPORT	REPORT	MG/L	ONCE/ MONTH	COMPOS	
00556 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.018	0.040		REPORT	REPORT	MG/L	ONCE/ MONTH	COMPOS	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	REPORT	REPORT	MG/L	ONCE/ MONTH	COMPOS	
00050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.018	0.040		REPORT	REPORT	MG/L	ONCE/ MONTH	COMPOS	

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 \$100,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
609 AREA CODE
339-3463 NUMBER
92 YEAR
01 MO
24 DAY

TELEPHONE
DATE

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

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 W.W.

MAJOR

SALEM

SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX				
COLIFORM, FECAL GENERAL 74055 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	000000	000000	0000	000000	<1	<1		0	1/mo	grab
	PERMIT REQUIREMENT	000000	000000	0000	000000	200-00000	400-00000	#/100		ONCE/ MONTH	GRAB
BOD, 5-DAY PERCENT REMOVAL 81010 K 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	000000	000000	0000	92.2	92.2			0	1/mo	calc
	PERMIT REQUIREMENT	000000	000000	0000	87.50000	REPORT MONTH MN	AVERAGE	PERCE NT		ONCE/ MONTH	CALCTS
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	000000	000000	0000	97	97			0	1/mo	calc
	PERMIT REQUIREMENT	000000	000000	0000	85.00000	REPORT MONTH MN	AVERAGE	PERCE NT		ONCE/ MONTH	CALCTS
OXYGEN DEMAND FIRST STAGE 82210 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3.0	3.0			29	29		0	1/mo	calc
	PERMIT REQUIREMENT	8-20000	REPORT DAILY MX	KG/ DAY	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L		ONCE/ MONTH	CALCTS
	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 USC § 1001 AND 23 USC § 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

 AREA
CODE

NUMBER

92 01 24

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) NJ0025411
PERMIT NUMBER
(17-19) 463A
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 MONTH 12 DAY 01 TO YEAR 91 MONTH 12 DAY 01
(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)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX			
PH	SAMPLE MEASUREMENT	000000	000000		7.0	000000	7.0	0	1/mo	grab
00400 1 0	PERMIT REQUIREMENT	000000	000000	0000	6.00000	000000	9.00000	0	ONCE/	GRAB
EFFLUENT GROSS VALUE				0000	MINIMUM		MAXIMUM		MONTH	
SOLIDS, TOTAL	SAMPLE MEASUREMENT	000000	000000		000000	183	183	-	1/mo	grab
SUSPENDED	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT	REPORT		ONCE/	GRAB
00530 1 1 (ADMIN)				0000		30DA AVG	DAILY MX		MONTH	
EFFLUENT GROSS VALUE										
HYDROCARBONS, IN H2O,	SAMPLE MEASUREMENT	000000	000000		000000	0.92	1	0	1/mo	grab
IR, CC14 EXT. CHROMAT	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT	15.00000		ONCE/	GRAB-3
00551 1 0				0000		30DA AVG	DAILY MX		MONTH	
EFFLUENT GROSS VALUE										
CARBON, TOT ORGANIC	SAMPLE MEASUREMENT	000000	000000		000000	9	9	0	1/mo	grab
(TOC)	PERMIT REQUIREMENT	000000	000000	0000	000000	REPORT	50.00000		ONCE/	GRAB
00680 1 1				0000		30DA AVG	DAILY MX		MONTH	
EFFLUENT GROSS VALUE										
FLOW, IN CONDUIT OR	SAMPLE MEASUREMENT	0.21	0.21		000000	000000	000000	-	1/mo	
THRU TREATMENT PLANT	PERMIT REQUIREMENT	REPORT	REPORT		000000	000000	000000		ONCE/	
00050 1 0		30DA AVG	DAILY MX	MGD					MONTH	
EFFLUENT GROSS VALUE										
	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. § 1315. (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

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) NJ0025411
PERMIT NUMBER
(17-19) 464A
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)

PERIM STORM DRAIN

MAJOR

SALEM

SOUTHERN REGION

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 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			
PH	SAMPLE MEASUREMENT	555555	555555		7.9	555555	7.9		0	1/mo	grab
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	555555	555555	555555	555555	555555	555555	SU		ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	555555	555555		555555	14	14		-	1/mo	grab
00530 1 1 (ADMIN) EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	555555	555555	555555	555555	REPORT 30DA AVG	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB
HYDROCARBONS, IN H ₂ O, 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	555555	555555	REPORT 30DA AVG	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB-3
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	555555	555555		555555	11	11		0	1/mo	grab
00680 1 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	555555	555555	555555	555555	REPORT 30DA AVG	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB
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	555555	555555	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 DATE
609 339-3463 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.