



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

Hope Creek Generating Station

February 23, 1996

Chief George Corporale  
Bureau of Information Systems  
P. O. Box CN-029  
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 January 1996.

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,

Mark E. Reddemann  
General Manager -  
Hope Creek Operations

290044

9602290143 960131  
PDR ADOCK 05000354  
R PDR


The Energy People

IE25  
11

NJPDES

2

2/23/96

 W:ej  
Attachments

C Executive Director, DRBC  
USNRC - Docket number 50-354

NJPDES

2/23/96

Explanation of conditions  
January 1996

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)  
EMSL Analytical, Inc. (04673)

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

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

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

Results reported on the Discharge Monitoring Report forms are consistent with permit limits, data supplied from contract laboratories, the December 1993 revision of the NJDEP DMR Instruction manual and specific guidance from DEP personnel.

Analyses results for asbestos monitoring are based on a theoretical fibril size since none were detected. The detection limit increased due to the limited amount of sample able to be filtered. Analyses are performed IAW EPA Method 600/4-83-043.

NJPDES  
Explanation of Exceedances  
January 1996

2/23/96

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

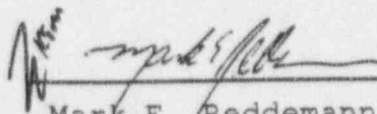
461C

\* Please refer to the attached, and previously submitted 30 day report, for more details concerning the petroleum hydrocarbon exceedance.

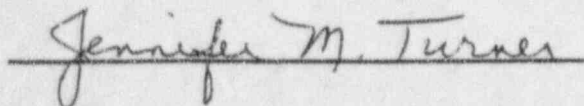
COUNTY OF SALEM  
STATE OF NEW JERSEY

I, Mark E. Reddemann, 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.

  
Mark E. Reddemann  
General Manager -  
Hope Creek Operations

Sworn and subscribed before me  
this 23<sup>rd</sup> day of Feb. 1996.



JENNIFER M. TURNER  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires July 25, 2000



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES NO.

REPORTING PERIOD

MO. YR. MO. YR.

0101215141111

011916 THRU 011916

PERMITTEE:

Name Public Service Electric & Gas

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) 339-3463

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 ☐ ☒

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) Peter R. Lasala

Grade & Registry No. N-2 (000592)

Signature [Signature]

Date February 23, 1996

PRINCIPAL EXECUTIVE OFFICER or  
DULY AUTHORIZED REPRESENTATIVE

Name (Printed) Mark E. Reddemann

Title (Printed) General Manager  
Hope Creek Operations

Signature [Signature]

Date February 23, 1996

\*\* Please refer to the attached Transmittal Sheet Addenda.

\*\* Please refer to the attached Transmittal Sheet Addenda.

Month 01

Year 96

Day of Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Licensed Operator	H	8	8	8	8	-	-	8	8	8	8	8	-	-	8	8
Others	3	10	10	10	10	3	3	10	10	10	10	10	3	3	10	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	8	
Others	10	10	10	3	3	10	10	10	10	10	3	3	10	10	10	

# ADDENDA TO MONITORING REPORT - TRANSMITTAL SHEET

## DISCHARGE NUMBER

PAGE	PARAMETER	COMMENTS
<u>461A</u>	CODE	
2 of 12	00665 2 1 ** 00680 2 1	Net values calculated from grab sample results.
<u>461C</u>		
6 of 12	00680 1 1 **  00551 1 0	Samples obtained were composites in accordance with permit requirements.  Sample frequency was increased to six per month to help determine system performance after the initial exceedance. Please refer to the attached 30 day report for more information.
<u>462A</u>		
8 of 12	00551 1 0 **	Grab 3 sampling criteria not met due to the lack of a 72 hour dry period prior to discharge event. A single grab sample was obtained for information only.
<u>463A</u>		
11 of 12	00551 1 0 **	Grab 3 sampling criteria not met due to the lack of a 72 hour dry period prior to discharge event. A single grab sample was obtained for information only.
<u>464A</u>		
12 of 12	00551 1 0 **	Grab 3 sampling criteria not met due to the lack of a 72 hour dry period prior to discharge event. A single grab sample was obtained for information only.



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES NO.

REPORTING PERIOD

MO. YR. MO. YR.

010121514111

011916 THRU 011916

PERMITTEE:

Name Public Service Electric & Gas  
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

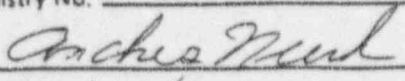
	YES	NO
DYE TESTING	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TEMPORARY BYPASSING	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DISINFECTION INTERRUPTION	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MONITORING MALFUNCTIONS	<input type="checkbox"/>	<input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

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

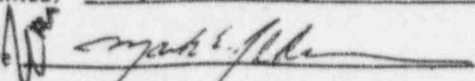
NOTE: The "Hours Attended at Plant" on the  
reverse of this sheet must also be completed.

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. S4 (000697)  
Signature   
Date 2/5/96

PRINCIPAL EXECUTIVE OFFICER or  
DULY AUTHORIZED REPRESENTATIVE

Name (Printed) Mark E. Reddemann  
General Manager  
Title (Printed) Hope Creek Operations  
Signature   
Date February 23, 1996

## 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 are approximately 20 lines visible. A small dark mark or smudge is present near the bottom right corner of the page.

Month 01 Year 96

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		2	8	8	12	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	16	105			8	8	8	8	8			8	8	8	
Others			8	8	8						8	8				

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED  
ARTICLE NUMBER: Z 217 970 215

FEB 15 1996

LR-E96028

Mr. Steven Mathis  
New Jersey Department of Environmental Protection  
Southern Bureau of Water and Hazardous Waste Enforcement  
Suite 301 South  
20 East Clementon Road  
Gibbsboro, NJ 08026

Dear Mr. Mathis:

HOPE CREEK GENERATING STATION  
NJPDES PERMIT NO. NJ0025411  
PETROLEUM HYDROCARBON VIOLATION  
CASE NO. 96-01-11-1525-42 FOLLOW-UP REPORT

In accordance with the 5-Day NJPDES report submitted to the Bureau on January 16 (LR-E96008), Public Service Electric and Gas Company (PSE&G) is providing this follow-up report on the cause and corrective actions associated with the petroleum hydrocarbon (TPH) permit violation. As discussed in the 5-day report, the Low Volume and Oily Waste (LV&OW) system had returned to normal operation by the time the permit violation was discovered. Additional effluent samples collected during the following week confirmed proper operation of the system and served to lower the average TPH concentration to below the monthly permit limit.

An investigation into this discharge violation was conducted by Station Chemistry personnel. The investigation included an evaluation of the sampling and analyses methodologies, a review of work being conducted at the Station which could impact LV&OW system operation, and an evaluation of general chemical storage and housekeeping practices. The results of the investigation attributed the cause of this violation to inadequate chemical control. PSE&G believes that an emulsifying agent (detergent or solvent) was discharged into the LV&OW system. Emulsifiers prevent good gravity separation by dissolving oils into solution, allowing them to be discharged. Several contributing causes were also identified related to maintenance and cleaning of the separator and collection system.

FEB 15 1996

S. Mathis, NJDEP  
LR-E96028

2

In order to reduce the potential for future discharges, PSE&G will:

1. Conduct additional training of personnel in proper use and disposal of chemicals/cleaning agents. Specifically, develop and implement chemical control "toolbox training" for Station personnel and expand the chemical control section of the Operations staff continuing training programs.
2. Ensure cleaning and inspection of the LV&OW separator by April 15, 1996.

If you have any questions or require additional information, please contact Pat McCabe of my staff at (609) 339-1245.

Sincerely,

*D. R. Powell*

D. R. Powell  
Manager -  
Licensing and Regulation

C     Assistant Director of Enforcement  
      NJ Department of Environmental Protection  
      401 East State Street  
      CN 029  
      Trenton, NJ 08625-0029



PERMITTEE NAME/ADDRESS

NAME PSE&amp;G

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

461A

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FACILITY PSE&amp;G HOPE CREEK GENERATING STATION

LOCATION LOWER ALLOWAYS CREEK, NJ 08038

FROM

YEAR	MO	DAY
96	01	01

TO

YEAR	MO	DAY
96	01	31

(20-21)(22-23)(24-25)

(26-27)(28-29)(30-31)

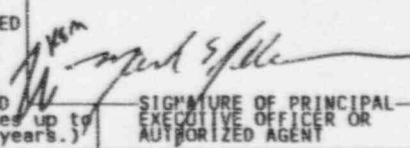
COOLING TOWER BLOWDOWN

MAJOR

SALEM

SOUTHERN REGION

DMR NUMBER: 011996

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)		UNITS	(4 Card Only) QUALITY OR CONCENTRATION (54-61)		UNITS	NO. OF EX (62-63)	FREQ. OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 1	SAMPLE MEASUREMENT	*****	*****		*****	3.4	5.8		0	CONTINUOUS	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	35.6 DLY MAX	DEG.C	0	CONTINUOUS	
TEMPERATURE, WATER DEG. CENTIGRADE 00010 7 1	SAMPLE MEASUREMENT	*****	*****		*****	0.5	2.4		0	CONTINUOUS	
INTAKE FROM STREAM	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX	DEG.C	0	CONTINUOUS	
PH	SAMPLE MEASUREMENT	*****	*****		6	*****	8		0	TWICE/GRAB WEEK	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6	*****	9	SU	0	TWICE/GRAB WEEK	
SOLIDS, TOTAL SUSPENDED 00530 1 0	SAMPLE MEASUREMENT	*****	*****		*****	134	178		0	TWICE/GRAB MONTH	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L	0	TWICE/GRAB MONTH	
SOLIDS, TOTAL SUSPENDED 00530 2 0	SAMPLE MEASUREMENT	*****	*****		*****	64	96		0	TWICE/CALCTD MONTH	
EFFLUENT NET VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L	0	TWICE/CALCTD MONTH	
SOLIDS, TOTAL SUSPENDED 00530 7 0	SAMPLE MEASUREMENT	*****	*****		*****	70	82		0	TWICE/GRAB MONTH	
INTAKE FROM STREAM	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L	0	TWICE/GRAB MONTH	
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 1 0	SAMPLE MEASUREMENT	*****	*****		*****	< 0.50	< 0.50		0	TWICE/GRAB MONTH	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L	0	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 18 USC § 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	
MARK E. REDDEMANN GENERAL MANAGER HOPE CREEK OPERATIONS								609 339-3463		96 02 23	
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	

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



PERMITTEE NAME/ADDRESS

NAME PSE&amp;G

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

461A

DISCHARGE NUMBER

MONITORING PERIOD

FACILITY PSE&amp;G HOPE CREEK GENERATING STATION

LOCATION LOWER ALLOWAYS CREEK, NJ 08038

DMR NUMBER: 011996

FROM

YEAR MO DAY  
96 01 01

TO

YEAR MO DAY  
96 01 31

(20-21)(22-23)(24-25)

(26-27)(28-29)(30-31)

COOLING TOWER BLOWDOWN

MAJOR

SALEM

SOUTHERN REGION

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. OF ANALYSIS (62-63)	FREQ. OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
				UNITS			UNITS			
HYDROCARBONS, IN H <sub>2</sub> O, IR, CC14 EXT. CHROMAT 00551 2 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****		*****	< 0.5	< 0.5		0 TWICE/	CALCTD
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth AVG	10 DLY MAX	MG/L	TWICE/	CALCTD
HYDROCARBONS, IN H <sub>2</sub> O, IR, CC14 EXT. CHROMAT 00551 7 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****		*****	< 0.50	< 0.50		0 TWICE/	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth AVG	REPORT DLY MAX	MG/L	TWICE/	GRAB
PHOSPHORUS, TOTAL (AS P) 00665 1 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.40	0.49		0 TWICE/	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth AVG	REPORT DLY MAX	MG/L	TWICE/	GRAB
PHOSPHORUS, TOTAL (AS P) 00665 2 1 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.20	0.22		0 TWICE/	CALCTD
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth AVG	REPORT DLY MAX	MG/L	TWICE/	GRAB
PHOSPHORUS, TOTAL (AS P) 00665 7 1 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****		*****	0.20	0.27		0 TWICE/	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth AVG	REPORT DLY MAX	MG/L	TWICE/	GRAB
CARBON, TOT ORGANIC (TOC) 00680 1 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	5.0	6.0		0 TWICE/	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth AVG	REPORT DLY MAX	MG/L	TWICE/	GRAB
CARBON, TOT ORGANIC (TOC) 00680 2 1 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****		*****	1	1		0 TWICE/	CALCTD
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth AVG	20 DLY MAX	MG/L	TWICE/	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

MARK E. REDDEMANN

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 § 1310. (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

509 339-3463

96 02 23

AREA  
CODE

NUMBER

YEAR MO DAY

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

\*\* PLEASE REFER TO THE ATTACHED TRANSMITTAL SHEET ADDENDA.

PERMITTEE NAME/ADDRESS

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) (17-19)

NJ0025411

PERMIT NUMBER

461A

DISCHARGE NUMBER

FACILITY **PSE&G HOPE CREEK GENERATING STATION**  
LOCATION **LOWER ALLOWAYS CREEK, NJ 08038**

FROM

YEAR MO DAY  
**96 01 01**

TO

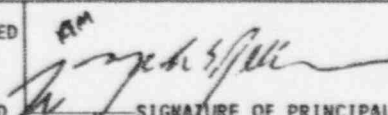
YEAR MO DAY  
**96 01 31**

(20-21)(22-23)(24-25)

(26-27)(28-29)(30-31)

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

DMR NUMBER: 011996

PARAMETER (32-37)	* * * * *	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			UNITS	NO. EX (62 (63)	FREQ. OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)									
				UNITS																
CARBON, TOT ORGANIC (TOC) 00680 7 1 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****	*****	*****	4.0	5.0		0	TWICE/ MONTH	GRAB									
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT Mnth Avg	REPORT DLY MAX	MG/L		TWICE/ MONTH	GRAB									
CHROMIUM, TOTAL (AS CR) 01034 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	NODI	NODI		0	NODI	NODI									
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT Mnth Avg	REPORT DLY MAX	MG/L		TWICE/ MONTH	GRAB									
CHROMIUM, TOTAL (AS CR) 01034 2 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	NODI	NODI		0	NODI	NODI									
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT Mnth Avg	.2 DLY MAX	MG/L		TWICE/ MONTH	CALCTD									
CHROMIUM, TOTAL (AS CR) 01034 7 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****	*****	*****	NODI	NODI		0	NODI	NODI									
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT Mnth Avg	REPORT DLY MAX	MG/L		TWICE/ MONTH	GRAB									
COPPER, TOTAL (AS CU) 01042 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	NODI	NODI		0	NODI	NODI									
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT Mnth Avg	REPORT DLY MAX	MG/L		TWICE/ MONTH	GRAB									
COPPER, TOTAL (AS CU) 01042 2 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	NODI	NODI		0	NODI	NODI									
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT Mnth Avg	.2 DLY MAX	MG/L		TWICE/ MONTH	CALCTD									
COPPER, TOTAL (AS CU) 01042 7 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****	*****	*****	NODI	NODI		0	NODI	NODI									
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT Mnth Avg	REPORT DLY MAX	MG/L		TWICE/ MONTH	GRAB									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>MARK E. REDDEMANN</b> <b>GENERAL MANAGER</b> <b>HOPE CREEK OPERATIONS</b> 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 § 1339. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)			TELEPHONE <b>609 339-3463</b>			DATE <b>96 02 23</b>		
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 												AREA CODE	NUMBER		YEAR	MO	DAY			

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



PERMITTEE NAME/ADDRESS

NAME PSE&amp;G

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

461A

DISCHARGE NUMBER

FACILITY PSE&amp;G HOPE CREEK GENERATING STATION

LOCATION LOWER ALLOWAYS CREEK, NJ 08038

DMR NUMBER: 011996

MONITORING PERIOD						
FROM			TO			
YEAR	MO	DAY	YEAR	MO	DAY	
96	01	01	96	01	31	
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)	

(20-21)(22-23)(24-25)

(26-27)(28-29)(30-31)

COOLING TOWER BLOWDOWN

MAJOR

SALEM

SOUTHERN REGION

PARAMETER (32-37)		(3 Card Only) (46-53)	QUANTITY OR LOADING (54-61)		(4 Card Only) (58-65)	QUALITY OR CONCENTRATION (66-73)		UNITS	NO. (62-63)	FREQ. OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****	UNITS	*****	NODI	NODI		0	NODI	NODI
01092 1 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L		TWICE/	GRAB
EFFLUENT GROSS VALUE				****		MNTH AVG	DLY MAX			MONTH	
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****		*****	NODI	NODI		0	NODI	NODI
01092 2 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L		TWICE/	CALCTD
EFFLUENT NET VALUE				****		MNTH AVG	DLY MAX			MONTH	
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****		*****	NODI	NODI		0	NODI	NODI
01092 7 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L		TWICE/	GRAB
INTAKE FROM STREAM				****		MNTH AVG	DLY MAX			MONTH	
ASBESTOS (FIBROUS)	SAMPLE MEASUREMENT	*****	*****		*****	<4700	<4700		0	TWICE/	GRAB
										MONTH	
34225 1 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	UG/L		TWICE/	GRAB
EFFLUENT GROSS VALUE				****		MNTH AVG	DLY MAX			MONTH	
ASBESTOS (FIBROUS)	SAMPLE MEASUREMENT	*****	*****		*****	<4700	<4700		0	TWICE/	CALCTD
										MONTH	
34225 2 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	UG/L		TWICE/	CALCTD
EFFLUENT NET VALUE				****		MNTH AVG	DLY MAX			MONTH	
ASBESTOS (FIBROUS)	SAMPLE MEASUREMENT	*****	*****		*****	<4700	<4700		0	TWICE/	GRAB
										MONTH	
34225 7 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	UG/L		TWICE/	GRAB
INTAKE FROM STREAM				****		MNTH AVG	DLY MAX			MONTH	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	27.61	40.66		*****	*****	*****		0	CONTIN	
										UOUS	
50050 1 0	PERMIT REQUIREMENT	REPORT	REPORT	MGD	*****	*****	*****	****		CONTIN	
EFFLUENT GROSS VALUE		MNTH AVG	DLY MAX					***		UOUS	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

MARK E. REDDEMANN  
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

DATE

509 339-3463

96 02 23

AREA  
CODE

NUMBER

YEAR

MO

DAY

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

PERMITTEE NAME/ADDRESS

NAME **PSE&G**ADDRESS **P.O. BOX 236/N21****HANCOCKS BRIDGE, NJ 08038**FACILITY **PSE&G HOPE CREEK GENERATING STATION**LOCATION **LOWER ALLOWAYS CREEK, NJ 08038**DMR NUMBER: **011996**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

NJ0025411

PERMIT NUMBER

461A

DISCHARGE NUMBER

MONITORING PERIOD

FROM

YEAR MO DAY  
**96 01 01**

TO

YEAR MO DAY  
**96 01 31**

(20-21)(22-23)(24-25)

(26-27)(28-29)(30-31)

COOLING TOWER BLOWDOWN

MAJOR

SALEM

SOUTHERN REGION

PARAMETER (32-37)	(3 Card Only) (46-53)	QUANTITY OR LOADING (54-61)	UNITS	(4 Card Only) (38-45)	QUALITY OR CONCENTRATION (46-53)	UNITS	NC. EX. (62-63)	FREQ. OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
CHLORINE, TOTAL RESIDUAL 50060 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT *****	*****		*****	< 0.1	< 0.1			CONTIN UOUS
HEAT (WINTER) (PER HOUR) 81387 2 1 EFFLUENT NET VALUE	PERMIT REQUIREMENT *****	*****	**** ****	*****	.2 MNTH AVG	.5 DLY MAX	MG/L		CONTIN UOUS
	SAMPLE MEASUREMENT 45	61		*****	*****	*****			CONTIN UOUS
	PERMIT REQUIREMENT REPORT MNTH AVG	731 DLY MAX	MBTU/ HR	*****	*****	*****	**** ***		CONTIN UOUS
	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

**MARK E. REDDEMANN**  
**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 18 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

96 02 23

AREA  
CODE

NUMBER

YEAR MO DAY

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

PERMITTEE NAME/ADDRESS

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) (17-19)

NJ0025411

PERMIT NUMBER

461C

DISCHARGE NUMBER

MONITORING PERIOD

FACILITY **PSE&G HOPE CREEK GENERATING STATION**LOCATION **LOWER ALLOWAYS CREEK, NJ 08038**DMR NUMBER: **011996**

FROM

YEAR MO DAY  
**96 01 01**

TO

YEAR MO DAY  
**96 01 31**

(20-21)(22-23)(24-25)

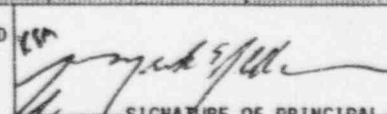
(26-27)(28-29)(30-31)

LOW VOLUME WW SYSTEM

MAJOR

SALEM

SOUTHERN REGION

PARAMETER (32-37)	(3 Card Only) (46-53)	QUANTITY OR LOADING (54-61)	(4 Card Only) (58-65)	QUALITY OR CONCENTRATION (66-73)	UNITS	NO. OF ANALYSES (64-68)	FREQ. OF ANALYSES (69-70)	SAMPLE TYPE (69-70)		
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 1	SAMPLE MEASUREMENT	*****	*****	*****	14.8	16.8	OWEEKLY	GRAB		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	REPORT MNTH AVG	REPORT DLY MAX	DEG.C	WEEKLYGRAB		
PH	SAMPLE MEASUREMENT	*****	*****	7	*****	8	OWEEKLY	GRAB		
00400 1 0	PERMIT REQUIREMENT	*****	*****	6	*****	9	SU	WEEKLYGRAB		
EFFLUENT GROSS VALUE				MINIMUM		MAXIMUM				
SOLIDS, TOTAL SUSPENDED 00530 1 0	SAMPLE MEASUREMENT	*****	*****	*****	2	2	OTWICE/	COMPOS MONTH		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	30	100	MG/L	TWICE/COMPOS MONTH		
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 1 0	SAMPLE MEASUREMENT	*****	*****	*****	8	43	1	SIX/ GRAB MONTH **		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	10	15	MG/L	TWICE/GRAB MONTH		
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0	SAMPLE MEASUREMENT	*****	*****	*****	< 0.1	< 0.1	OTWICE/	COMPOS MONTH		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	35	REPORT DLY MAX	MG/L	TWICE/COMPOS MONTH		
CARBON, TOT ORGANIC (TOC) 00680 1 1	SAMPLE MEASUREMENT	*****	*****	*****	20	32	OTWICE/	COMPOS MONTH **		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	REPORT MNTH AVG	50 DLY MAX	MG/L	TWICE/GRAB MONTH		
COPPER, TOTAL (AS CU) 01042 1 0	SAMPLE MEASUREMENT	*****	*****	*****	< 0.02	< 0.02	OTWICE/	GRAB MONTH		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	REPORT MNTH AVG	.2 DLY MAX	MG/L	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 5 years.)						TELEPHONE		DATE	
MARK E. REDDEMANN GENERAL MANAGER HOPE CREEK OPERATIONS							609 339-3463		96 02 23	
TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER

\*\* PLEASE REFER TO THE ATTACHED TRANSMITTAL SHEET ADDENDA



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

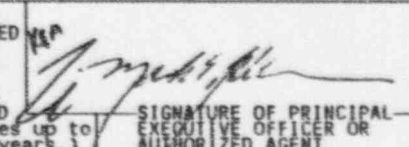
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

<b>NJ0025411</b>			<b>461C</b>			
PERMIT NUMBER			DISCHARGE NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
96	01	01		96	01	31
(20-21)(22-23)(24-25)				(26-27)(28-29)(30-31)		

**LOW VOLUME WW SYSTEM**  
**MAJOR SALEM**  
**SOUTHERN REGION**

FACILITY **PSE&G HOPE CREEK GENERATING STATION**  
LOCATION **LOWER ALLOWAYS CREEK, NJ 08038**  
DMR NUMBER: **011996**

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)		UNITS	(4 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS	NO. OF ANALYSIS (62-68)	FREQ. OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
IRON, TOTAL (AS FE) 01045 1 0	SAMPLE MEASUREMENT	*****	*****		*****	5.9	11.0			0	TWICE/MONTH	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L		0	TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0	SAMPLE MEASUREMENT	0.05	0.16		*****	*****	*****			0	CONTINUOUS	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MNTH AVG	.45 DLY MAX	MGD	*****	*****	*****	****		0	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	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 18 USC § 1343. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)		TELEPHONE	DATE			
MARK E. REDDEMANN GENERAL MANAGER HOPE CREEK OPERATIONS TYPED OR PRINTED			609, 339-3463	96	02	23	
	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR	MO	DAY

PERMITTEE NAME/ADDRESS  
NAME **PSE&G**  
ADDRESS **P.O. BOX 236/N21**  
**HANCOCKS BRIDGE, NJ 08038**  
FACILITY **PSE&G HOPE CREEK GENERATING STATION**  
LOCATION **LOWER ALLOWAYS CREEK, NJ 08038**  
DMR NUMBER: **011996**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)  
**NJ0025411**  
PERMIT NUMBER  
**462A**  
DISCHARGE NUMBER  
MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
**96 01 01 96 01 31**  
(20-21)(22-25)(24-25) (26-27)(28-29)(30-31)

**NORTH STORM DRAIN**  
**MAJOR**  
**SOUTHERN REGION**  
**SALEM**

PARAMETER (32-37)	. . . .	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS	NO. EX. (62-63)	FREQ. OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
				UNITS							
PH	SAMPLE MEASUREMENT	*****	*****		7.1	*****	7.1		0	ONCE/MONTH	GRAB
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****		110		0	ONCE/MONTH	GRAB
00530 1 1 (ADMIN) EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth AVG	REPORT DLY MAX	MG/L		ONCE/MONTH	GRAB
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT	SAMPLE MEASUREMENT	*****	*****		*****	< 0.50	< 0.50		0	ONCE/MONTH	GRAB **
00551 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth AVG	15 DLY MAX	MG/L		ONCE/MONTH	GRAB-3
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	*****	*****		*****		31		0	ONCE/MONTH	GRAB
00680 1 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth AVG	50 DLY MAX	MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.164	0.164		*****	*****	*****		0	ONCE/MONTH	
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT Mnth AVG	REPORT DLY MAX	MGD	*****	*****	*****	**** ***		ONCE/MONTH	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**MARK E. REDDEMANN**  
**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 § 1310. (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  
**96 02 23**  
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. \*\* PLEASE REFER TO THE ATTACHED TRANSMITTAL SHEET ADDENDA.

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

<b>NJ0025411</b>		<b>462E</b>	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	TO YEAR MO DAY
96	01	01	96 01 31
(20-21)(22-23)(24-25)		(26-27)(28-29)(30-31)	

FACILITY **PSE&G HOPE CREEK GENERATING STATION**  
 LOCATION **LOWER ALLOWAYS CREEK, NJ 08038**

**SEWAGE W.W.**  
**MAJOR**  
**SOUTHERN REGION**

SALEM

DMR NUMBER: 011996

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)		UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			UNITS	NO. OF ANALYSIS (62-63)	FREQ. OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		REPORT MNTH AVG	REPORT DLY MAX		REPORT MNTH AVG	REPORT DLY MAX	REPORT MNTH AVG				
BOD, 5-DAY (20 DEG. C) 00310 G 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	51	51		*****	437	437		0	ONCE/MONTH	GRAB
	PERMIT REQUIREMENT	REPORT MNTH AVG	REPORT DLY MAX	KG/DAY	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L		ONCE/MONTH	GRAB
BOD, 5-DAY (20 DEG. C) 00310 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1.4	1.4		*****	12.0	12.0		0	ONCE/MONTH	GRAB
	PERMIT REQUIREMENT	6.8	REPORT DLY MAX	KG/DAY	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L		ONCE/MONTH	GRAB
PH	SAMPLE MEASUREMENT	*****	*****		7.6	*****	7.9		0	TWICE/WEEK	GRAB
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		TWICE/WEEK	GRAB
SOLIDS, TOTAL SUSPENDED 00530 G 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	*****	*****		*****	612	612		0	ONCE/MONTH	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L		ONCE/MONTH	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	13	13		0	ONCE/MONTH	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	30 MNTH AVG	100 DLY MAX	MG/L		ONCE/MONTH	COMPOS
OIL AND GREASE FREON EXTR-GRAV METH 00556 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	< 1	< 1		0	ONCE/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	10 MNTH AVG	15 DLY MAX	MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.027	0.042		*****	*****	*****		0	DAILY	FLOIND
	PERMIT REQUIREMENT	REPORT MNTH AVG	REPORT DLY MAX	MGD	*****	*****	*****	****		DAILY	FLOIND

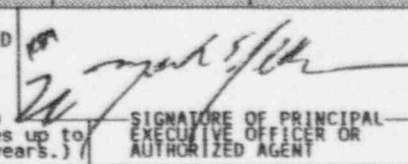
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**MARK E. REDDEMANN**  
**GENERAL MANAGER**  
**HOPE CREEK OPERATIONS**  
 TYPED OR PRINTED

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.)

TELEPHONE  
**609 339-3463**  
 AREA CODE NUMBER

DATE  
**96 02 23**  
 YEAR MO DAY

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT





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

NJ0025411

PERMIT NUMBER

462B

DISCHARGE NUMBER

FACILITY **PSE&G HOPE CREEK GENERATING STATION**  
 LOCATION **LOWER ALLOWAYS CREEK, NJ 08038**

FROM

MONITORING PERIOD  
 YEAR MO DAY  
**96 01 01**

TO

YEAR MO DAY  
**96 01 31**

(20-21)(22-23)(24-25)

(26-27)(28-29)(30-31)

**SEWAGE W.W.**  
**MAJOR**  
**SOUTHERN REGION**

SALEM

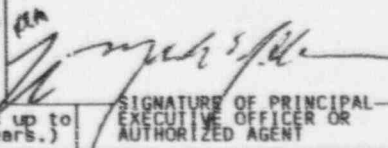
DMR NUMBER: 011996

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (40-53)		UNITS	(4 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS	NO. EX. (62-63)	FREQ. OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
COLIFORM, FECAL GENERAL 74055 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	< 1	< 1		0	ONCE/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	200 MONTHGEO	400 WKLY GEO	#/100 ML		ONCE/MONTH	GRAB
BOD, 5-DAY PERCENT REMOVAL 81010 K 0 PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		97.2	97.2	*****		0	ONCE/MONTH	CALCTD
	PERMIT REQUIREMENT	*****	*****	****	87.5 MONAVMIN	REPORT AVERAGE	*****	PERCENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		98	98	*****		0	ONCE/MONTH	CALCTD
	PERMIT REQUIREMENT	*****	*****	****	85 MONAVMIN	REPORT AVERAGE	*****	PERCENT		ONCE/MONTH	CALCTD
OXYGEN DEMAND FIRST STAGE 82210 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1.7	1.7		*****	14.4	14.4		0	ONCE/MONTH	CALCTD
	PERMIT REQUIREMENT	8.2 MNTH AVG	REPORT DLY MAX	KG/DAY	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L		ONCE/MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**MARK E. REDDEMANN**  
 GENERAL MANAGER  
 HOPE CREEK OPERATIONS  
 TYPED OR PRINTED

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TELEPHONE  
**609 339-3463**  
 AREA CODE NUMBER  
 DATE  
**96 02 23**  
 YEAR MO DAY

  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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

<b>NJ0025411</b>		<b>463A</b>	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
FROM	YEAR	MO	DAY
	<b>96</b>	<b>01</b>	<b>01</b>
(20-21)(22-23)(24-25)		TO	YEAR
			<b>96</b>
		MO	<b>01</b>
		DAY	<b>31</b>
		(26-27)(28-29)(30-31)	

 SOUTH STORM DRAIN  
 MAJOR  
 SOUTHERN REGION

SALEM

 FACILITY **PSE&G HOPE CREEK GENERATING STATION**  
 LOCATION **LOWER ALLOWAYS CREEK, NJ 08038**  
 DMR NUMBER: **011996**

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQ. OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
				UNITS			UNITS			
PH	SAMPLE MEASUREMENT	*****	*****		6.8	*****	6.8		0 ONCE/MONTH	GRAB
00400 1 0	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0	BU	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE				****	MINIMUM		MAXIMUM			
SOLIDS, TOTAL	SAMPLE MEASUREMENT	*****	*****		*****		70		0 ONCE/MONTH	GRAB
SUSPENDED	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L	ONCE/MONTH	GRAB
00530 1 1 (ADMIN)				****		MNTH AVG	DLY MAX			
EFFLUENT GROSS VALUE				****						
HYDROCARBONS, IN H2O,	SAMPLE MEASUREMENT	*****	*****		*****	< 0.50	< 0.50		0 ONCE/MONTH	GRAB
IR, CC14 EXT. CHROMAT	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	15	MG/L	ONCE/MONTH	GRAB-3
00551 1 0				****		MNTH AVG	DLY MAX			
EFFLUENT GROSS VALUE				****						
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	24	24		0 ONCE/MONTH	GRAB
00680 1 1	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	50	MG/L	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE				****		MNTH AVG	DLY MAX			
FLOW, IN CONDUIT OR	SAMPLE MEASUREMENT	0.177	0.177		*****	*****	*****		0 ONCE/MONTH	
THRU TREATMENT PLANT	PERMIT REQUIREMENT	REPORT	REPORT	MGD	*****	*****	*****	****	ONCE/MONTH	
50050 1 0		MNTH AVG	DLY MAX					***		
EFFLUENT GROSS VALUE										
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

 NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**MARK E. REDDEMANN**  
 GENERAL MANAGER  
 HOPE CREEK OPERATIONS  
 TYPED OR PRINTED

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 TELEPHONE  
**609 339-3463**  
 DATE  
**96 02 23**  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
 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 &amp; IS PRECEDED BY MINIMUM DRY PERIOD OF 72 HRS. \*\* PLEASE REFER TO THE ATTACHED TRANSMITTAL SHEET ADDENDA.



PERMITTEE NAME/ADDRESS

NAME **PSE&G**ADDRESS **P.O. BOX 236/N21****HANCOCKS BRIDGE, NJ 08038**FACILITY **PSE&G HOPE CREEK GENERATING STATION**LOCATION **LOWER ALLOWAYS CREEK, NJ 08038**DMR NUMBER: **011996**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NJ0025411

PERMIT NUMBER

464A

DISCHARGE NUMBER

MONITORING PERIOD

FROM

YEAR MO DAY  
**96 01 01**

TO

YEAR MO DAY  
**96 01 31**

(20-21)(22-23)(24-25)

(26-27)(28-29)(30-31)

PERIM STORM DRAIN

MAJOR

SOUTHERN REGION

SALEM

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (54-61)	UNITS	NO. EX (62-63)	FREQ. OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	*****	*****	6.5	*****	6.5	0	ONCE/ GRAB MONTH
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU	ONCE/ GRAB MONTH
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	27	27	0	ONCE/ GRAB MONTH
00530 1 1 (ADMIN) EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L	ONCE/ GRAB MONTH
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT	SAMPLE MEASUREMENT	*****	*****	*****	< 0.50	< 0.50	0	ONCE/ GRAB MONTH **
00551 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	REPORT MNTH AVG	15 DLY MAX	MG/L	ONCE/ GRAB-3 MONTH
CARBON TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	*****	*****	*****	18	18	0	ONCE/ GRAB MONTH
00680 1 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	REPORT MNTH AVG	50 DLY MAX	MG/L	ONCE/ GRAB MONTH
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.231	0.231	*****	*****	*****	0	ONCE/ MONTH
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MNTH AVG	REPORT DLY MAX	*****	*****	*****	***	ONCE/ MONTH
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT							
	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT							

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

**MARK E. REDDEMANN  
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SIGNATURE OF PRINCIPAL  
EXECUTIVE OFFICER OR  
AUTHORIZED AGENT

TELEPHONE

DATE

609 339-3463 96 02 23

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. \*\* PLEASE REFER TO THE ATTACHED TRANSMITTAL SHEET ADDENDA.