



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

Hope Creek Generating Station

May 23, 1994

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 April 1994.

This report is required by and prepared specifically for the Environmental Protection Agency (EPA) and the New Jersey Department of Environmental Protection and Energy (NJDEPE). 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 NJDEPE, 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,

Robert J. Hovey  
General Manager -  
Hope Creek Operations

310021

The Energy People

9405310284 940430  
PDR ADOCK 05000354  
R PDR

NJPDES

2

5/23/94

*SEM*  
CW:eaj  
Attachments

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

NJPDES  
Explanation of conditions  
April 1994

5/23/94

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 NJDEPE certified laboratories:

NET Atlantic, Inc. (08153)  
Hope Creek Generating Station (17451)  
Talbot Laboratory, Inc. (77535)  
South Jersey Testing, Inc. (06431)  
Princeton Testing Laboratory, Inc. (11118)

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 NJDEPE DMR Instruction manual and specific guidance from DEP personnel.

NJPDES  
Explanation of Exceedances  
April 1994

5/23/94

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, Robert J. Hovey, 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.

*Robert J. Hovey*  
Robert J. Hovey  
General Manager -  
Hope Creek Operations

Sworn and subscribed before me  
this 23 day of May 1994.

*Shari L. Huston*

NOTARIAL PUBLIC  
STATE OF NEW JERSEY  
My Comm. Expires 12/31/96

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES NO.

REPORTING PERIOD

MO. YR. MO. YR.

01012151411

0494 THRU 0494

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) 339-3463

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

NPDES DISCHARGE MONITORING REPORT

EPA FORM 3320-1

OPERATING EXCEPTIONS


	YES	NO
DYE TESTING	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TEMPORARY BYPASSING	<input checked="" type="checkbox"/>	<input 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.)

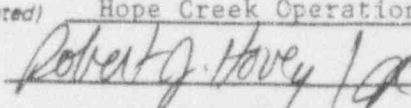
NOTE: The "Hours Attended at Plant" on the reverse of this sheet must also be completed.

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) Christopher E. White  
Grade & Registry No. (N-2) N-0956  
Signature   
Date 5/23/94

PRINCIPAL EXECUTIVE OFFICER or  
DULY AUTHORIZED REPRESENTATIVE

Name (Printed) Robert J. Hovey  
General Manager  
Title (Printed) Hope Creek Operations  
Signature   
Date 5/23/94



ADDENDA TO MONITORING REPORT - TRANSMITTAL SHEET

Operating Exceptions

Temporary Bypassing - DSN-461A was bypassed between the 18th and 20th of April to facilitate corrective maintenance to Service Water piping. This planned and preapproved evolution took place while the plant was shut down during a refueling outage. Past similar occasions DEPE required only that they be notified 24 hours in advance, attached is the previously sent notice NLR E-94073 dated 4/15/94.

DISCHARGE NUMBER

PAGE	PARAMETER	COMMENTS
<u>461A</u>	NOTES	
2 of 2	00665 2 1 *	Net values calculated from grab samples.
2 of 2	00680 2 1	
<u>461C</u>		
1 of 2	00680 1 1 *	Samples obtained were composites in accordance with permit requirements.



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES NO.

REPORTING PERIOD

MO. YR. MO. YR.

0101215141111

014|9|4 THRU 014|9|4

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 1 339-3463

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

NPDES 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 checked="" type="checkbox"/>	<input 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) Ronald C. Martin

Grade & Registry No. S-4 (S4538)

Signature Ronald C. Martin

Date 5/20/94

PRINCIPAL EXECUTIVE OFFICER or  
DULY AUTHORIZED REPRESENTATIVE

Name (Printed) Robert J. Hovey  
General Manager

Title (Printed) Hope Creek Operations

Signature Robert J. Hovey

Date 5/23/94

OPERATING EXCEPTIONS DETAILED

THE FILTERS WERE TAKEN OFF LINE ON 4/13/94 AS A PRECAUTIONARY MEASURE. DUE TO HEAVY FLOW THEY WERE PUT BACK INTO SERVICE THE FOLLOWING DAY.

THE WEST CLARIFIER WAS TAKEN OFF LINE ON 4/24/94 BECAUSE OF A BROKEN DRAIN VALVE. AS A PRECAUTION, THE FILTERS WERE TAKEN OFF LINE ALSO. THEY BOTH WERE PUT BACK INTO SERVICE THE SAME DAY.

HOURS ATTENDED AT PLANT

Month 04 Year 94

Day of Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Licensed Operator				8.5	8.5	8.5	7.5	8.5			8	8.5	11.5	9	8	
Others	8	8	8		8.5	8			8	8			16			8
Day of Month	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Licensed Operator		8.5	8.5	8	8.5	7.5			9	9	8	8	8.5		-	
Others	8			2	2		8	18	15					8	-	

HANDLED BY _____
DATE COPIED _____
DATE SENT _____
OTHER _____

FAX: (609) 984-7938

APR 15 1994

NLR-E94073

NJ Department of Environmental Protection and Energy  
Wastewater Facilities Regulation  
Bureau of Standard Permitting  
CN 029  
Trenton, NJ 08625-0029

Attention: Mr. Richard DeWan, Chief

Dear Mr. DeWan:

HOPE CREEK GENERATING STATION  
NJPDES PERMIT NO. NJ0025411  
NOTICE OF ANTICIPATED BYPASS

In accordance with Part I, Paragraph 15 of the above-referenced NJPDES Permit and NJAC 7:14A-3.10, Public Service Electric and Gas Company (PSE&G) is providing the NJDEPE with this notice of a planned bypass of the permitted discharge path for service water at the Hope Creek Generating Station. This bypass is necessary to repair a significant leak in a section of service water piping (high point constant vent) which cannot be isolated without jeopardizing nuclear safety.

The Station utilizes Delaware River water as a cooling medium for small, critical, nuclear safety related heat exchangers in the service water system. Service water is then used as makeup water for the Station's cooling tower and is normally discharged in the cooling tower blowdown, DSN 461A. Due to the safety significance of the service water system, it is necessary to repair this leak while the system remains in service. As a result, service water shall be discharged via a temporary conveyance to Inlet No. 50 and/or No. 51 of the South Yard Drain, DSN 463A. PSE&G shall use adequate soil erosion and sediment control measures to prevent the introduction of additional sediments to the River.

The South Yard Drain has permit limitations for pH, petroleum hydrocarbons and total organic carbon. In accordance with Paragraph 26 of the Administrative Consent Order, effective January 11, 1990, the limitations for total suspended solids at this outfall have been removed. Since service water is Delaware River water, no permit limitations will be exceeded. The normal addition of sodium hypochlorite to the service water system for control of biofouling has been discontinued.

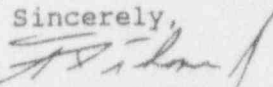
R. DeWan, NJDEPE  
NLR-E94073

2

APR 15 1994

PSE&G is anticipating that this bypass will take place beginning tomorrow, April 16, and may last up to ten (10) days. In order to expedite repairs, PSE&G requests written approval for this bypass as soon as possible. A similar bypass has been approved by the Department in the past for maintenance work on the service water system. A copy of the September 19, 1992 letter of approval is attached for your information.

If you have any questions, please feel free to contact Pat McCabe of my staff at (609) 339-1245. Thank you for your assistance in this matter.

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

Attachment (1)

C Assistant Director of Enforcement  
Division of Water Resources  
NJ Department of Environmental Protection and Energy  
401 East State Street  
CN 029  
Trenton, NJ 08625

Steve Mathis  
Southern Bureau of Water and Hazardous Waste Enforcement  
NJ Department of Environmental Protection and Energy  
20 East Clementon Road  
Gibbsboro, NJ 08026

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) (17-19)

**NJ0025411**  
 PERMIT NUMBER

**461A**  
 DISCHARGE NUMBER

CREATED: 04/09/94 Approved **MAJOR**  
 OMB No. 2040-0004

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	94	04	01		94	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

COOLING TOWER BLOWDOWN

SOUTHERN REGION / SALEM

NOTE: Read instructions before completing this form.

DMR NUMBER: **NJ0025411 461A 041994**

PARAMETER (32-37)	SAMPLE MEASUREMENT	(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 (69-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 1	*****	*****			*****	16.5	242	0	CONTINUOUS	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth Avg	35.600000 DLY MAX		CONTINUOUS	
TEMPERATURE, WATER DEG. CENTIGRADE 00010 7 1	*****	*****			*****	12.6	16.7	0	CONTINUOUS	
INTAKE FROM STREAM PH	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth Avg	REPORT DLY MAX		CONTINUOUS	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	7	*****	8	0	TWICE/WEEK GRAB	
SOLIDS, TOTAL SUSPENDED 00530 1 0	PERMIT REQUIREMENT	*****	*****	****	6.000000 MINIMUM	*****	9.000000 MAXIMUM		TWICE/WEEK GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	76	86	0	TWICE/MONTH GRAB	
SOLIDS, TOTAL SUSPENDED 00530 2 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth Avg	REPORT DLY MAX		TWICE/MONTH GRAB	
EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	6	18	0	TWICE/MONTH CALCTD	
SOLIDS, TOTAL SUSPENDED 00530 7 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth Avg	REPORT DLY MAX		TWICE/MONTH CALCTD	
INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****	****	*****	70	72	0	TWICE/MONTH GRAB	
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 1 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth Avg	REPORT DLY MAX		TWICE/MONTH GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	<0.1	<0.1	0	TWICE/MONTH GRAB	
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth Avg	REPORT DLY MAX		TWICE/MONTH GRAB	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Robert J. Hovey  
 General Manager  
 Hope Creek Operations

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*W Robert J Hovey Jr*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE  
 609 339-3463 94 05 23  
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 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 (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) (17-19)  
**NJ0025411**  
 PERMIT NUMBER  
**461A**  
 DISCHARGE NUMBER

CREATED: 04/09/94  
 Approved MAJOR  
 OMB No. 2040-0004

**FACILITY** PSE&G HOPE CREEK GENERATING ST  
**LOCATION** LOWER ALLOWAYS CREEK, NJ 08038  
**DMR NUMBER** NJ0025411 461A 041994

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
94	04	01	94	04	30

COOLING TOWER BLOWDOWN  
 SOUTHERN REGION / SALEM  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX			
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 2 0 EFFLUENT NET VALUE	X	*****	*****	****	*****	<0.1	<0.1	0	TWICE/MONTH	CALCTD
PERMIT REQUIREMENT		*****	*****	****	*****	REPORT MNTH AVG	10.8XXXXX DLY MAX		TWICE/MONTH	CALCTD
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 7 0 INTAKE FROM STREAM	X	*****	*****	****	*****	<0.1	<0.1	0	TWICE/MONTH	GRAB
PERMIT REQUIREMENT		*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX		TWICE/MONTH	GRAB
PHOSPHORUS, TOTAL (AS P) 00665 1 1 EFFLUENT GROSS VALUE	X	*****	*****	****	*****	0.16	0.20	0	TWICE/MONTH	GRAB
PERMIT REQUIREMENT		*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX		TWICE/MONTH	GRAB
PHOSPHORUS, TOTAL (AS P) 00665 2 1 EFFLUENT NET VALUE	X	*****	*****	****	*****	0.04	0.06	*	TWICE/MONTH	CALCTD
PERMIT REQUIREMENT		*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX		TWICE/MONTH	GRAB
PHOSPHORUS, TOTAL (AS P) 00665 7 1 INTAKE FROM STREAM	X	*****	*****	****	*****	0.12	0.14	0	TWICE/MONTH	GRAB
PERMIT REQUIREMENT		*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX		TWICE/MONTH	GRAB
CARBON, TOT ORGANIC (TOC) 00680 1 1 EFFLUENT GROSS VALUE	X	*****	*****	****	*****	6.0	6.0	0	TWICE/MONTH	GRAB
PERMIT REQUIREMENT		*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX		TWICE/MONTH	GRAB
CARBON, TOT ORGANIC (TOC) 00680 2 1 EFFLUENT NET VALUE	X	*****	*****	****	*****	0	0	*	TWICE/MONTH	CALCTD
PERMIT REQUIREMENT		*****	*****	****	*****	REPORT MNTH AVG	20.8XXXXX DLY MAX		TWICE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Robert J. Hovey  
 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)

*W. Hovey*  
 Robert J. Hovey  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 509 339-3463  
 DATE 94 05 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 "NOD1" FOR THESE METALS.

\* Please refer to the attached Transmittal Sheet Addenda.

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

CREATED: 04/09/94 Approved MAJOR  
 OMB No. 2040-0004

FACILITY PSEGG HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038  
 DMR NUMBER: NJ0025411 461A 041994

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
94	04	01		94	04	30

COOLING TOWER BLOWDOWN  
 SOUTHERN REGION / SALEM  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (54-61)	SAMPLE TYPE (69-70)
		UNITS	UNITS	UNITS	UNITS	UNITS	UNITS			
CARBON, TOT ORGANIC (TOC) 00680 7 1 INTAKE FROM STREAM		*****	*****	*****	*****	6.0	6.0	0	TWICE/MONTH	GRAB
CHROMIUM, TOTAL (AS CR) 01034 1 0 EFFLUENT GROSS VALUE		*****	*****	*****	*****	NODI	NODI	-	-	-
CHROMIUM, TOTAL (AS CR) 01034 2 0 EFFLUENT NET VALUE		*****	*****	*****	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L	TWICE/MONTH	GRAB
CHROMIUM, TOTAL (AS CR) 01034 7 0 INTAKE FROM STREAM		*****	*****	*****	*****	NODI	NODI	-	-	-
COPPER, TOTAL (AS CU) 01042 1 0 EFFLUENT GROSS VALUE		*****	*****	*****	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L	TWICE/MONTH	GRAB
COPPER, TOTAL (AS CU) 01042 2 0 EFFLUENT NET VALUE		*****	*****	*****	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L	TWICE/MONTH	CALCTD
COPPER, TOTAL (AS CU) 01042 7 0 INTAKE FROM STREAM		*****	*****	*****	*****	NODI	NODI	-	-	-

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

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*Robert J. Hovey*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 609 339-3463  
 DATE 94 05 23  
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS: 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) **461A**  
 PERMIT NUMBER DISCHARGE NUMBER

CREATED: 04/09/94 approve **MAJOR**  
 OMB No. 2040-0004

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038

MONITORING PERIOD  
 FROM YEAR 94 MO 04 DAY 01 TO YEAR 94 MO 04 DAY 30  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

COOLING TOWER BLOWDOWN

SOUTHERN REGION / SALEM

NOTE: Read instructions before completing this form.

DMR NUMBER: **NJ0025411 461A 041994**

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (34-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	UNITS			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****		*****	NODI	NODI	-	-	-
01092 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L	TWICE/MONTH	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****		*****	NODI	NODI	-	-	-
01092 2 0 EFFLUENT NET VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	60000 DLY MAX	MG/L	TWICE/MONTH	CALCTD
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****		*****	NODI	NODI	-	-	-
01092 7 0 INTAKE FROM STREAM	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX	MG/L	TWICE/MONTH	GRAB
ASBESTOS (FIBROUS)	SAMPLE MEASUREMENT	*****	*****		*****	<0.000004	<0.000004	0	TWICE/MONTH	GRAB
34225 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX	UG/L	TWICE/MONTH	GRAB
ASBESTOS (FIBROUS)	SAMPLE MEASUREMENT	*****	*****		*****	<0.000004	<0.000004	0	TWICE/MONTH	CALCTD
34225 2 0 EFFLUENT NET VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX	UG/L	TWICE/MONTH	CALCTD
ASBESTOS (FIBROUS)	SAMPLE MEASUREMENT	*****	*****		*****	<0.000004	<0.000004	0	TWICE/MONTH	GRAB
34225 7 0 INTAKE FROM STREAM	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX	UG/L	TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	25.82	49.50		*****	*****	*****	0	CONTINUOUS	
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MNTH AVG	REPORT DLY MAX	MGD	*****	*****	*****	****	CONTINUOUS	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Robert J. Hovey  
 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.)

TELEPHONE DATE  
 609 339-3463 94 05 23  
 AREA CODE NUMBER YEAR MO DAY  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
*Robert J. Hovey*

COMMITTEE EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 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 (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

CREATED: 04/09/94 Approved MAJOR  
 OMB No. 2040-0004

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038

MONITORING PERIOD  
 FROM YEAR MO DAY TO YEAR MO DAY  
94 04 01 TO 94 04 30  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

COOLING TOWER BLOWDOWN

SOUTHERN REGION / SALEM

NOTE: Read instructions before completing this form.

UMR NUMBER: **NJ0025411 461A 041994**

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		XXXXXX	XXXXXX	UNITS	XXXXXX	XXXXXX	UNITS			
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****		*****	<0.1	<0.1	0	CONTINUOUS	
50060 1 0	PERMIT REQUIREMENT	*****	*****	****	*****	*20000	*50000		CONTINUOUS	
EFFLUENT GROSS VALUE HEAT (WINTER) (PER HOUR)	SAMPLE MEASUREMENT	74	146		*****	*****	*****	0	CONTINUOUS	CALCTD
81387 2 1 (ADMIN)	PERMIT REQUIREMENT	REPORT	731.00000	MBTU/HR	*****	*****	*****	****	CONTINUOUS	CALCTD
EFFLUENT NET VALUE	PERMIT REQUIREMENT	MNTH AVG	DLY MAX		*****	*****	*****	***	CONTINUOUS	
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Robert J. Hovey  
 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.)

*Robert J. Hovey*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE  
 609 339-3463 94 05 23  
 AREA CODE NUMBER YEAR MO DAY

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

CREATED: 04/09/94 Approved **MAJOR**

OMB No. 2040-0004

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	94	04	01		94	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

LOW VOLUME WW SYSTEM

SOUTHERN REGION / SALEM

NOTE: Read instructions before completing this form.

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038  
 DMR NUMBER: **NJ0025411 461C 041994**

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		MINIMUM	MAXIMUM	UNITS	MINIMUM	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 1	SAMPLE MEASUREMENT	*****	*****		*****	13.5	18.3	0	WEEKLY	GRAB
EFFLUENT GROSS VALUE PH	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth Avg	REPORT Dly Max		WEEKLY	GRAB
EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED 00530 1 0	SAMPLE MEASUREMENT	*****	*****		*****	8	8	0	WEEKLY	GRAB
EFFLUENT GROSS VALUE HYDRUCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 1 0	PERMIT REQUIREMENT	*****	*****	****	*****	6.00000 MINIMUM	9.00000 MAXIMUM		WEEKLY	GRAB
EFFLUENT GROSS VALUE NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0	SAMPLE MEASUREMENT	*****	*****		*****	3	4	0	TWICE/ MONTH	COMPOS
EFFLUENT GROSS VALUE CARBON, TOT ORGANIC (TOC) 00680 1 1	PERMIT REQUIREMENT	*****	*****	****	*****	30.00000 Mnth Avg	100.00000 Dly Max		TWICE/ MONTH	COMPOS
EFFLUENT GROSS VALUE COPPER, TOTAL (AS CU) 01042 1 0	SAMPLE MEASUREMENT	*****	*****		*****	<0.1	<0.1	0	TWICE/ MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	10.00000 Mnth Avg	15.00000 Dly Max		TWICE/ MONTH	GRAB
	SAMPLE MEASUREMENT	*****	*****		*****	0	0	0	TWICE/ MONTH	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	35.00000 Mnth Avg	REPORT Dly Max		TWICE/ MONTH	COMPOS
	SAMPLE MEASUREMENT	*****	*****		*****	4	5	0	TWICE/ MONTH	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth Avg	50.00000 Dly Max		TWICE/ MONTH	GRAB
	SAMPLE MEASUREMENT	*****	*****		*****	<0.02	<0.02	0	TWICE/ MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT Mnth Avg	20000 Dly Max		TWICE/ MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Robert J. Hovey  
 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 3 years.)

*Robert J. Hovey*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 609 339-3463  
 DATE 94 05 23  
 AREA CODE NUMBER YEAR MO DAY

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

\* Please refer to the attached Transmittal Sheet Addenda.

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

CREATED: 04/09/94 Approved MAJOR  
 OMB No. 2040-0004

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038  
 UMR NUMBER: NJ0025411 461C 041994

MONITORING PERIOD  
 FROM YEAR 94 MO 04 DAY 01 TO YEAR 94 MO 04 DAY 30  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

LOW VOLUME WW SYSTEM  
 SOUTHERN REGION / SALEM  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (54-61)		(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		UNITS	UNITS	UNITS	UNITS	UNITS			
IRGN, TOTAL (AS FE) 01045 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	0.96	0.97	0	TWICE/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	****	REPORT MNTH AVG	REPORT DLY MAX	MG/L	TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.06	0.11	*****	*****	*****	0	CONTINUOUS	
	PERMIT REQUIREMENT	REPORT MNTH AVG	0.45000 DLY MAX	MGD	*****	*****	****	CONTINUOUS	
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Robert J. Hovey, General Manager, Hope Creek Operations  
 I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: *Robert J. Hovey*  
 TELEPHONE: 609 339-3463  
 DATE: 94 05 23

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)

NJ0025411  
 PERMIT NUMBER

462A  
 DISCHARGE NUMBER

CREATED: 04/02/94 MAJOR  
 Approved  
 OMB No. 2040-0004

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	94	04	01		94	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NORTH STORM DRAIN  
 SOUTHERN REGION / SALEM  
 NOTE: Read instructions before completing this form.

DMR NUMBER: NJ0025411 462A 041994

PARAMETER (32-37)	X	(3 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	XXXXXX	UNITS	XXXXXX	XXXXXX	XXXXXX				
PH		*****	*****		7.9	*****	7.9		0	ONCE/MONTH	GRAB
00400 1 0 EFFLUENT GROSS VALUE		*****	*****	****	6.00000 MINIMUM	*****	9.00000 MAXIMUM	SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED		*****	*****		*****	26	26		0	ONCE/MONTH	GRAB
00530 1 1 (ADMIN) EFFLUENT GROSS VALUE		*****	*****	****	*****	REPORT Mnth Avg	REPORT Dly Max	MG/L		ONCE/MONTH	GRAB
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT		*****	*****		*****	<0.1	<0.1		0	ONCE/MONTH	GRAB-3
00551 1 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	REPORT Mnth Avg	15.00000 DLY MAX	MG/L		ONCE/MONTH	GRAB-3
CARBON, TOT ORGANIC (TOC)		*****	*****		*****	11	11		0	ONCE/MONTH	GRAB
00680 1 1 EFFLUENT GROSS VALUE		*****	*****	****	*****	REPORT Mnth Avg	50.00000 DLY MAX	MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		0.135	0.135		*****	*****	*****		0	ONCE/MONTH	
50050 1 0 EFFLUENT GROSS VALUE		REPORT	REPORT	MGD	*****	*****	*****	****		ONCE/MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Robert J. Hovey  
 General Manager  
 Hope Creek Operations

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*Robert J. Hovey*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 609 339-3463  
 AREA CODE NUMBER  
 DATE  
 94 05 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.

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

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

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

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

CREATED: 04/09/94 Approved **MAJOR**  
 OMB No. 2040-0004

SEWAGE W.W.

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038  
 DMR NUMBER: **NJ0025411 462B 041994**

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	94	04	01		94	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

SOUTHERN REGION / SALEM  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 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)
		UNITS	UNITS	UNITS	UNITS	UNITS	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 G 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	59.7	59.7		*****	593	593	0	ONCE/MONTH	GRAB
	PERMIT REQUIREMENT	REPORT MNTH AVG	REPORT DLY MAX	KG/DAY	*****	REPORT MNTH AVG	REPORT DLY MAX		ONCE/MONTH	GRAB
BOD, 5-DAY (20 DEG. C) 00310 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2.1	2.1		*****	21	21	0	ONCE/MONTH	GRAB
	PERMIT REQUIREMENT	6.88000 MNTH AVG	REPORT DLY MAX	KG/DAY	*****	REPORT MNTH AVG	REPORT DLY MAX		ONCE/MONTH	GRAB
PH	SAMPLE MEASUREMENT	*****	*****			6.1	7.3	0	TWICE/WEEK	GRAB
	PERMIT REQUIREMENT	*****	*****	****	6.00000 MINIMUM	*****	9.00000 MAXIMUM		TWICE/WEEK	GRAB
SOLIDS, TOTAL SUSPENDED 00530 G 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	*****	*****		*****	158	158	0	ONCE/MONTH	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX		ONCE/MONTH	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	4	4	0	ONCE/MONTH	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	30.00000 MNTH AVG	100.00000 DLY MAX			ONCE/MONTH	COMPOS
OIL AND GREASE 00556 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	<1	<1	0	ONCE/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	10.00000 MNTH AVG	15.00000 DLY MAX		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.022	0.057		*****	*****	*****	0	DAILY	FLOIND
	PERMIT REQUIREMENT	REPORT MNTH AVG	REPORT DLY MAX	MGD	*****	*****	*****	****	DAILY	FLOIND

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Robert J. Hovey  
 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 a maximum imprisonment of between 6 months and 5 years.)

*Robert J. Hovey*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 609 339-3463  
 DATE: 94 05 23  
 AREA CODE NUMBER YEAR MO DAY

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

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

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

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

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

CREATED: 04/09/94 Approved MAJOR

OMB No. 2040-0004

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038  
 DMR NUMBER: NJ0025411 462B 041994

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
94	04	01	TO	94	04	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

SEWAGE W-W

SOUTHERN REGION / SALEM

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(1 Card Only) QUANTITY OR LOADING (46-53)		UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		(46-53)	(54-61)		(38-45)	(46-53)	(54-61)				
COLIFORM, FECAL GENERAL 74055 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	<1	<1		0	ONCE/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	200.00000 MONTH GEO	400.00000 WKLY GEO	#/100 ML		ONCE/MONTH	GRAB
BOD, 5-DAY PERCENT REMOVAL 81010 K 0 PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		96.4	96.4	*****		0	ONCE/MONTH	CALCTD
	PERMIT REQUIREMENT	*****	*****	****	87.50000 MONAVMIN	REPORT AVERAGE	*****	PERCENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		97	97	*****		0	ONCE/MONTH	CALCTD
	PERMIT REQUIREMENT	*****	*****	****	85.00000 MONAVMIN	REPORT AVERAGE	*****	PERCENT		ONCE/MONTH	CALCTD
OXYGEN DEMAND FIRST STAGE 82210 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2.5	2.5		*****	25.2	25.2		0	ONCE/MONTH	CALCTD
	PERMIT REQUIREMENT	8.20000 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  
 Robert J. Hovey  
 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.)

*Robert J. Hovey*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 609 339-3463  
 DATE: 94 05 23  
 AREA CODE NUMBER YEAR MO DAY

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

LABS: 08153 17251 17535 06431 11178

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) **463A**  
 PERMIT NUMBER DISCHARGE NUMBER

CREATED: 04/09/94 Form 94 approve MAJOR  
 OMB No. 2040-0004

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	94	04	01		94	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

SOUTH STORM DRAIN  
 SOUTHERN REGION / SALEM  
 NOTE: Read instructions before completing this form.

DMR NUMBER: **NJ0025411 463A 041994**

PARAMETER (32-37)	X	(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	AVERAGE	XXXXXX			
PH		*****	*****		7.0	*****	7.0	0	ONCE/MONTH	GRAB
00400 1 0 EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED		*****	*****	****	6.00000 MINIMUM	*****	9.00000 MAXIMUM		ONCE/MONTH	GRAB
00530 1 1 (ADMIN) EFFLUENT GROSS VALUE HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT		*****	*****	****	*****	REPORT MNTH AVG	REPORT DLY MAX	0	ONCE/MONTH	GRAB
00551 1 0 EFFLUENT GROSS VALUE CARBON, TOT ORGANIC (TOC)		*****	*****	****	*****	REPORT MNTH AVG	15.00000 DLY MAX	0	ONCE/MONTH	GRAB-3
00680 1 1 EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT		*****	*****	****	*****	REPORT MNTH AVG	50.00000 DLY MAX	0	ONCE/MONTH	GRAB
50050 1 0 EFFLUENT GROSS VALUE		0.146	0.146		*****	*****	*****	0	ONCE/MONTH	
		REPORT MNTH AVG	REPORT DLY MAX	MGD	*****	*****	*****	****	ONCE/MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER:  
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 General Manager  
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TELEPHONE: 609 339-3463  
 DATE: 94 05 23

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.

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) 464A  
 PERMIT NUMBER DISCHARGE NUMBER

CREATED: 04/09/94 Approved MAJOR

OMB No. 2040-0004

FACILITY PSE&G HOPE CREEK GENERATING ST  
 LOCATION LOWER ALLOWAYS CREE, NJ 08038  
 DMR NUMBER: NJ0025411 464A 041994

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
94	04	01		94	04	30	
(20-21)		(22-23)		(24-25)		(26-27)	
		(28-29)		(30-31)			

PERIM STORM DRAIN

SOUTHERN REGION / SALEM

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PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)		(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		XXXXXX	XXXXXX	UNITS	AVERAGE	MAXIMUM			
PH		*****	*****		7.7	*****	7.7	0	ONCE/MONTH GRAB
00400 1 0 EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED		*****	*****	****	6.0000 MINIMUM	*****	9.0000 MAXIMUM	SU	ONCE/MONTH GRAB
00530 1 1 (ADMIN) EFFLUENT GROSS VALUE HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT		*****	*****	****	*****	REPORT Mnth Avg	REPORT Dly Max	MG/L	ONCE/MONTH GRAB
00551 1 0 EFFLUENT GROSS VALUE CARBON, TOT ORGANIC (TOC)		*****	*****	****	*****	REPORT Mnth Avg	15.0000 Dly Max	MG/L	ONCE/MONTH GRAB-3
00680 1 1 EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT		*****	*****	****	*****	REPORT Mnth Avg	50.0000 Dly Max	MG/L	ONCE/MONTH GRAB
50050 1 0 EFFLUENT GROSS VALUE		0.191	0.191	****	*****	*****	*****	0	ONCE/MONTH
		REPORT Mnth Avg	REPORT Dly Max	MGD	*****	*****	*****	****	ONCE/MONTH

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