



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

Hope Creek Operations

June 25, 1990

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

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

Dear Sir:

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

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

9007020069 900527
FDR ADOCK 05000354
R PDC

The Energy People

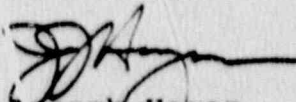
IE25

1/1 95-2-73 8 5M 1-48

6/25/90

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

Sincerely,



Joseph Hagan
General Manager -
Hope Creek Operations

J CW:eaj

Attachments

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

NJPDES
Explanation of Exceedances
May 1990

6/25/90

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

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

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

Analytical values performed by the following NJDEP certified laboratories:

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

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

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

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

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

NJPDES
Explanation of Exceedances
May 1990

6/25/90

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

MONITORING REPORT - TRANSMITTAL SHEET

NPDES NO.

REPORTING PERIOD

MO. YR. MO. YR.

010254111

0590 THRU 0590

PERMITTEE: Name Public Service Electric & Gas Company
Address P.O. Box 236
Hancock's Bridge, N. J. 08038

FACILITY: Name Hope Creek Generating Station
Address P.O. Box 236
Hancock's 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-016(A,B) VWX-016 VWX-017

NPDES DISCHARGE MONITORING REPORT

EPA FORM 3330-1

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"/>

(Check only "Yes" on reports side in appropriate space.)

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

AUTHENTICATION - I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

LICENSED OPERATOR

Name (Printed) John M. Hoffman
Grade & Registry No. N0396
Signature [Signature]
Date 6-25-90

PRINCIPAL EXECUTIVE OFFICER or
DULY AUTHORIZED REPRESENTATIVE

Name (Printed) Joseph Hagan
Title (Printed) General Mgr. Hope Creek Ops.
Signature [Signature]
Date 6-25-90

OPERATING EXCEPTIONS DETAILED

HOURS ATTENDED AT PLANT

Month 015

Year 910

Day of Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Licensed Operator	8	8	8	8	-	-	8	8	8	8	8	-	-	-	-	-
Others	16	16	16	16	1.5	1.5	16	16	16	16	16	1.5	1.5	16	16	16
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	
Others	8	16	1.5	1.5	16	16	16	16	16	1.5	1.5	1.5	16	16	16	

MONITORING REPORT - TRANSMITTAL SHEET

NPDES NO. 00125411 REPORTING PERIOD
MO. YR. 05'90 THRU MO. YR. 05'90

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

FACILITY: Name Hope Creek Generating Station
Address P.O. Box 236
Hancocks Bridge, NJ County Salem
Telephone 1609 3395098--

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

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

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

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

AUTHENTICATION - I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

LICENSED OPERATOR

Name (Printed) Andres Nurk
 Grade & Registry No. S-4 (4542)
 Signature Andres Nurk
 Date 6/5/90

PRINCIPAL EXECUTIVE OFFICER or DULY AUTHORIZED REPRESENTATIVE

Name (Printed) Joseph Hagan
 Title (Printed) Gen. Mgr. Hope Creek Oper
 Signature [Signature]
 Date 6/2/90

OPERATING EXCEPTIONS DETAILED

East Clarifier off line due to rapid settling rate and long detention time

HOURS ATTENDED AT PLANT

Month 10 Year 910

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

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

461 A
 DISCHARGE NUMBER

F - FINAL

COOLING TOWER BLOWDOWN

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

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	05	01		90	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)


MAJLR (SUBR 5) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(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)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0 0		*****	*****		19.9	24.8	32.2		0	cont	-
EFFLUENT GROSS VALUE		*****	*****	****	REPORT	REPORT	35-6 DAILY RX	DEG.C		CONTIN UOUS	
TEMPERATURE, WATER DEG. CENTIGRADE 00010 7 0 0		*****	*****		15.4	17.6	19.9		-	cont	-
INTAKE FROM STREAM		*****	*****	****	REPORT	REPORT	30DA AVG DAILY RX	DEG.C		CONTIN UOUS	
PH 00400 1 0 0		*****	*****		8.4		8.6		0	2/wk grab	
EFFLUENT GROSS VALUE		*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		TWICE/ WEEK	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0		*****	*****	****	*****	190.75	254		-	2/mo grab	
EFFLUENT GROSS VALUE		*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY RX	MG/L		TWICE/ MONTH	
SOLIDS, TOTAL SUSPENDED 00530 2 0 0		*****	*****	****	*****	57.75	70.5		-	2/mo calc	
EFFLUENT NET VALUE		*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY RX	MG/L		TWICE/ MONTH	
SOLIDS, TOTAL SUSPENDED 00530 7 0 0		*****	*****	****	*****	133	183.5		-	2/mo grab	
INTAKE FROM STREAM		*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY RX	MG/L		TWICE/ MONTH	
HYDROCARBONS, IN H2O, TR, CC14 EXT. CHROMAT 00551 1 0 0		*****	*****	****	*****	1.06	1.82		-	2/mo grab	
EFFLUENT GROSS VALUE		*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY RX	MG/L		TWICE/ MONTH	

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

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


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 609 339-3463
 AREA CODE NUMBER
 DATE
 90 06 25
 YEAR MO DAY

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

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

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME PSE&G

ADDRESS P.O. BOX 236/M21

HANCOCKS BRIDGE

NJ 08038

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

(2-16)

(17-19)

NJ0025411

PERMIT NUMBER

661 A

DISCHARGE NUMBER

F - FINAL

COOLING TOWER BLOWDOWN

Form Approved

OMB No. 2060-0004

Approval expires 6-30-88

FACILITY PSE&G HOPE CREEK GENERATING ST

LOCATION HANCOCKS BRIDGE

NJ 08038

ATTN: MANAGER LICENSING & REGULATION

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	05	01		90	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

HAJCP (SUB S) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-69)	SAMPLE TYPE (69-70)
		AVERAGE (54-55)	MAXIMUM (56-57)	UNITS (58-59)	MINIMUM (54-55)	AVERAGE (54-55)	MAXIMUM (56-57)			
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	0.28	<0.3		0.28	<0.3	MG/L	0	2/mo	calc
PERMIT REQUIREMENT		REPORT 30DA AVG	REPORT DAILY		REPORT 30DA AVG	REPORT DAILY	MG/L			
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	0.93	1.56		0.93	1.56	MG/L	-	2/mo	grab
PERMIT REQUIREMENT		REPORT 30DA AVG	REPORT DAILY		REPORT 30DA AVG	REPORT DAILY	MG/L			
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.29	0.30		0.29	0.30	MG/L	-	2/mo	grab
PERMIT REQUIREMENT		REPORT 30DA AVG	REPORT DAILY		REPORT 30DA AVG	REPORT DAILY	MG/L			
PHOSPHORUS, TOTAL (AS P) 00665 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	0.065	0.11		0.065	0.11	MG/L	-	2/mo	grab
PERMIT REQUIREMENT		REPORT 30DA AVG	REPORT DAILY		REPORT 30DA AVG	REPORT DAILY	MG/L			
PHOSPHORUS, TOTAL (AS P) 00665 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	0.225	0.28		0.225	0.28	MG/L	-	2/mo	grab
PERMIT REQUIREMENT		REPORT 30DA AVG	REPORT DAILY		REPORT 30DA AVG	REPORT DAILY	MG/L			
CARBON, TOT ORGANIC (TOC) 00680 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	5.285	5.82		5.285	5.82	MG/L	-	2/mo	grab
PERMIT REQUIREMENT		REPORT 30DA AVG	REPORT DAILY		REPORT 30DA AVG	REPORT DAILY	MG/L			
CARBON, TOT ORGANIC (TOC) 00680 2 0 1 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	0.79	1.68		0.79	1.68	MG/L	0	2/mo	grab
PERMIT REQUIREMENT		REPORT 30DA AVG	REPORT DAILY		REPORT 30DA AVG	REPORT DAILY	MG/L			

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1310. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of 5 years and 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

609
AREA CODE

339-3463
NUMBER

90 06 25
YEAR MO DAY

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

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

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

461 A
 DISCHARGE NUMBER

F - FINAL
 COOLING TOWER BLOWDOWN

Form Approved
 OMB No. 2040-0004
 Approval expires 6-30-88

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

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	03	01		90	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 5) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CARBON, TOT ORGANIC (TOC) 00680 7 0 1 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****		*****	4.455	4.85		-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THREE/GRAB MONTH	
CHROMIUM, TOTAL (AS CR) 01034 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	NODI	NODI		-	-	-
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THREE/GRAB MONTH	
CHROMIUM, TOTAL (AS CR) 01034 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****		*****	NODI	NODI		-	-	-
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THREE/GRAB MONTH	
CHROMIUM, TOTAL (AS CR) 01034 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****		*****	NODI	NODI		-	-	-
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THREE/GRAB MONTH	
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	NODI	NODI		-	-	-
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THREE/GRAB MONTH	
COPPER, TOTAL (AS CU) 01042 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****		*****	NODI	NODI		-	-	-
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THREE/GRAB MONTH	
COPPER, TOTAL (AS CU) 01042 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****		*****	NODI	NODI		-	-	-
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		THREE/GRAB MONTH	

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

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

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
609	339-3464	90	06	25
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 SAMPLING FOR CU, ZN, & CR IS REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF NOT USED, ENTER "NODI" FOR THESE METALS.

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

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

NJ0025411
 PERMIT NUMBER

461 A
 DISCHARGE NUMBER

F - FINAL
COOLING TOWER BLOWDOWN

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

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	98	05	01		98	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJER (SUBR 5) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
ZINC, TOTAL (AS ZN) 11092 1 0 0 EFFLUENT GROSS VALUE		*****	*****	MGD	*****	NODI	NODI	MG/L	-	-	-
	PERMIT REQUIREMENT	*****	*****	MGD	*****	REPORT 30DA AVG	REPORT DAILY RX	MG/L	-	THICE/GRAB	MONTH
ZINC, TOTAL (AS ZN) 01092 2 0 0 EFFLUENT NET VALUE		*****	*****	MGD	*****	NODI	NODI	MG/L	-	-	-
	PERMIT REQUIREMENT	*****	*****	MGD	*****	REPORT 30DA AVG	REPORT DAILY RX	MG/L	-	THICE/GRAB	MONTH
ZINC, TOTAL (AS ZN) 11092 7 0 0 INTAKE FROM STREAM		*****	*****	MGD	*****	NODI	NODI	MG/L	-	-	-
	PERMIT REQUIREMENT	*****	*****	MGD	*****	REPORT 30DA AVG	REPORT DAILY RX	MG/L	-	THICE/GRAB	MONTH
ASBESTOS (FIBROUS) 34225 1 0 0 EFFLUENT GROSS VALUE		*****	*****	UG/L	*****	<0.055x10 ⁻³	<0.063x10 ⁻³	UG/L	-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	UG/L	*****	REPORT 30DA AVG	REPORT DAILY RX	UG/L	-	THICE/GRAB	MONTH
ASBESTOS (FIBROUS) 34225 2 0 0 EFFLUENT NET VALUE		*****	*****	UG/L	*****	<0.017x10 ⁻³	<0.035x10 ⁻³	UG/L	-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	UG/L	*****	REPORT 30DA AVG	REPORT DAILY RX	UG/L	-	THICE/GRAB	MONTH
ASBESTOS (FIBROUS) 34225 7 0 0 INTAKE FROM STREAM		*****	*****	UG/L	*****	<0.038x10 ⁻³	<0.047x10 ⁻³	UG/L	-	2/mo	grab
	PERMIT REQUIREMENT	*****	*****	UG/L	*****	REPORT 30DA AVG	REPORT DAILY RX	UG/L	-	THICE/GRAB	MONTH
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE		32.1	37.2	MGD	*****	*****	*****	MGD	-	cont.	-
	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY RX	MGD	*****	*****	*****	MGD	-	CONTIN	UGDS

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

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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT



TELEPHONE
 609 339-3463
 DATE
 90 06 25

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
SAMPLING FOR CU, ZN, & CR IS REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF NOT USED, ENTER "NODI" FOR THESE METALS.

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location (if different)

NAME PSEG

ADDRESS P.O. BOX 236/NJ

HANCOCKS BRIDGE

NJ 08038

FACILITY PSEG HOPE CREEK GENERATING ST

LOCATION HANCOCKS BRIDGE

NJ 08038

ATTN: MANAGER LICENSING & REGULATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NJ0025411

PERMIT NUMBER

4E1 A

DISCHARGE NUMBER

F - FINAL

COGLING TOWER BLOWDOWN

Form Approved

OMB No. 2040-0084

Approval expires 6-30-89

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	03	01		90	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 5) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CHLORINE ₂ TOTAL RESIDUAL		*****	*****		<0.05	<0.05	<0.05		0	cont	-
50050 1 0 0	PERMIT REQUIREMENT	*****	*****	****	REPORT	0.29	0.5			cont	
EFFLUENT GROSS VALUE					3000 AVG	DAILY AM	MG/L			cont	
HEAT (WINTER) (PER HOUR)		144.3	200.2		*****	*****	*****	(5)	0	cont	calc
81387 2 0 0	PERMIT REQUIREMENT	REPORT	731 MBTU/		*****	*****	*****	****		cont	calc
EFFLUENT NET VALUE		3000 AVG	DAILY AM HR							cont	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

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


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
609 339-3463
 AREA CODE NUMBER
 DATE
06 25
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) (5) Interim limit of 731 MBTU/hr in effect.
 SAMPLING FOR CU, ZN, & CR IS REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF NOT USED, ENTER "NODI" FOR THESE METALS.

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)

MJ0025411
 PERMIT NUMBER

462 B
 DISCHARGE NUMBER

F - FINAL
 SEWAGE W.W.

Form Approved
 OMB No. 2040-0004
 Approval expires 6-30-88

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

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	05	01		90	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

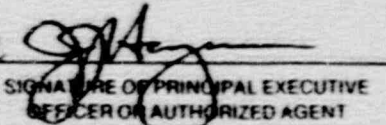
MAJOR (SUBR 5) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 6 0 0 RAW SEM/INFLUENT	REPORT 30DA AVG	REPORT 30DA AVG	REPORT DAILY MX	REPORT DAILY MX	*****	457	457	MG/L	-	1/mo	grab
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	REPORT 30DA AVG	REPORT 30DA AVG	REPORT DAILY MX	REPORT DAILY MX	*****	47	47	MG/L	0	1/mo	grab
PH	*****	*****	*****	*****	6.47	*****	7.14	*****	0	21/mo	grab
EFFLUENT GROSS VALUE	*****	*****	*****	*****	6.60	*****	9.0	*****	0	21/mo	grab
SOLIDS, TOTAL SUSPENDED 00530 6 0 0 RAW SEM/INFLUENT	*****	*****	*****	*****	*****	650	650	MG/L	-	1/mo	comp
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	17	17	*****	0	1/mo	comp
OIL AND GREASE FREON EXTR-GRAV METH 00556 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	0.12	0.12	*****	0	1/mo	grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	-	daily	ind

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT


TELEPHONE
 609 339-3463
 AREA CODE NUMBER
 DATE
 90 06 25
 YEAR MO DAY

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

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

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

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

NJ0025411
 PERMIT NUMBER

462 B
 DISCHARGE NUMBER

F - FINAL
 SEWAGE M.M.

Form Approved
 OMB No. 2040-0004
 Approval expires 6-30-88

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
90	05	01	90	05	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

MAJOR (SUBR 5) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (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)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
COLIFORM, FECAL GENERAL 74055 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	<1	<1	0	1/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	3000 G/L	700 000	100ML		
BOD, 5-DAY PERCENT REMOVAL 81010 K 0 0	SAMPLE MEASUREMENT	*****	*****		89.7	*****	*****	0	1/mo	calc
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	***	*****	*****	*****			
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0	SAMPLE MEASUREMENT	*****	*****		97.4	*****	*****	0	1/mo	calc
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	***	*****	*****	*****			
OXYGEN DEMAND FIRST STAGE 82210 1 0 0	SAMPLE MEASUREMENT	5.8	5.8		*****	*****	*****	0	1/mo	calc
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	5.2	*****	KG/DAY	*****	*****	*****			
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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

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


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
609	339-3463	90	06	25
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 PSEG

ADDRESS P.O. BOX 236/NJ

HANCOCKS BRIDGE

NJ 08038

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

(2-15)

(17-19)

NJ0025411

PERMIT NUMBER

061 C

DISCHARGE NUMBER

F - FINAL
LOW VOLUME MW SYSTEM

Form Approved
OMB No. 2060-0084
Approval expires 6-30-88

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	05	01		90	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUPER 5) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-67)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0 0	SAMPLE MEASUREMENT	000000	000000		17	19.2	21		-	weekly	grab
EFFLUENT GROSS VALUE PH	PERMIT REQUIREMENT	000000	000000	0000	REPORT	REPORT	REPORT				
00400 1 0 0	SAMPLE MEASUREMENT	000000	000000		7.5		8.1		0	weekly	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000	MINIMUM		MAXIMUM				
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	SAMPLE MEASUREMENT	000000	000000			26.8	46		0	6/mo	comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000		50	100				
HYDROCARBONS, IN H2O, TR, CC14 EXT. CHROMAT 00551 1 0 0	SAMPLE MEASUREMENT	000000	000000			5.31	9.95		0	2/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000		10	15				
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0	SAMPLE MEASUREMENT	000000	000000			<0.3	<0.3		0	2/mo	comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000		50	REPORT				
CARBON, TOT ORGANIC (TOC) 00680 1 0 1	SAMPLE MEASUREMENT	000000	000000			10.39	11.16		0	2/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000		REPORT	50				
COPPER, TOTAL (AS CU) 01042 1 0 0	SAMPLE MEASUREMENT	000000	000000			0.027	0.034		0	2/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	000000	000000	0000		REPORT	02				

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 1 year.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 609 339-3463
DATE: 90 06 25

COMMENT AND EXPLANATION OF ANY VIOLATION (Reference all attachments here)
Max 7 day average 34.7ppm Monthly TSS average based on 6 samples covering a 30 consecutive day period from 5-3-90 to 6-2-90 NJAC Chapter 7:14A-1.9

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)

NJ00256811

PERMIT NUMBER

461 C

DISCHARGE NUMBER

Form Approved

OMB No. 2040-0004

Approval expires 6-30-88

F - FINAL
LOW VOLUME WM SYSTEM

FACILITY PSE&G HOPE CREEK GENERATING ST

LOCATION HANCOCKS BRIDGE

NJ 08038

ATTN: MANAGER LICENSING & REGULATION

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	05	01		90	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 5) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OF LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (54-61)			REQ. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
IRON, TOTAL (AS FE) 01045 1 0 0	SAMPLE MEASUREMENT	0.00000	0.00000		0.00000	1.39	1.845		-	2/BO grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.00000	0.00000	MGD	0.00000	REPORT DAILY	REPORT DAILY	MG/L		
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	0.06	0.12		0.00000	0.00000	0.00000		0	cont
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY	REPORT DAILY	MGD	0.00000	REPORT DAILY	REPORT DAILY	MG/L		
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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

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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
609 339-3463
DATE
90 06 25
AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Refer to all attachments here)

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

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-76) (17-19)

NJ0025411
 PERMIT NUMBER

462 A
 DISCHARGE NUMBER

F - FINAL
NORTH STORM DRAIN

Form Approved
 OMB No. 2040-0004
 Approval expires 6-30-88

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

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	05	01		90	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 5) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	7.1	7.1		7.1	7.1		0	1/mo	grab	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MINIMUM	MAXIMUM		MINIMUM	MAXIMUM	SU				
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	85.5	92					-	1/mo	grab	
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	30DA AVG	DAILY RM				MG/L				
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT	SAMPLE MEASUREMENT	1.5	2.9					0	1/mo	grab	
00551 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	DAILY RM				MG/L				
CARBON, TOT ORGA'IC (TOC)	SAMPLE MEASUREMENT	5.4	7.5					0	1/mo	grab	
00680 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	DAILY RM				MG/L				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.322	0.322					-	1/mo		
00050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	DAILY RM				MGD				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Ryan
General Mgr. - Hope Creek
Operations
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 or 1 or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE
 OFFICER OR AUTHORIZED AGENT

TELEPHONE
 609 339-3463
 DATE
 90 06 25
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
SAMPLES TO BE TAKEN DURING A DISCHARGE EVENT, EXCEPT FOR PET HC FOR WHICH SAPPLES 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

NAME **PSE&G**

ADDRESS **P.O. BOX 236/N21**

HANCOCKS BRIDGE

NJ 08038

(2-16)

(17-19)

NJ0025411

PERMIT NUMBER

463 A

DISCHARGE NUMBER

F - FINAL
SOUTH STORM DRAIN

FACILITY **PSE&G HOPE CREEK GENERATING ST**

LOCATION **HANCOCKS BRIDGE**

NJ 08038

ATTN: **MANAGER LICENSING & REGULATION**

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	05	01		90	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 5) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)			NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	SAMPLE MEASUREMENT	6.6	6.6		6.6	6.6		0	1/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	MGD	REPORT	REPORT	MGD			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	166.5	174					-	1/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	MG/L	REPORT	REPORT	MG/L			
HYDROCARBONS, IN H2O	SAMPLE MEASUREMENT	1.7	3.2					0	1/mo	grab
IR, CC14 EXT. CHROMA	PERMIT REQUIREMENT	REPORT	REPORT	MG/L	REPORT	REPORT	MG/L			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	MG/L	REPORT	REPORT	MG/L			
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	4.02	5.0					0	1/mo	grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	MG/L	REPORT	REPORT	MG/L			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.349	0.349					-	1/mo	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	MGD	REPORT	REPORT	MGD			

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 5 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
J. Hagan

TELEPHONE NUMBER: **609 339-3463**
DATE: **90 06 25**

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

PERMITTEE NAME/ADDRESS - (Include

Facility Name/Location if different)

NAME PSEEG

ADDRESS P.O. BOX 236/223

HANCOCKS BRIDGE NJ 08038

FACILITY PSEEG HOPE CREEK GENERATING ST

LOCATION HANCOCKS BRIDGE NJ 08038

ATTN: MANAGER LICENSING & REGULATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(7-16) (17-19)

NJ0025411

PERMIT NUMBER

464 A

DISCHARGE NUMBER

F - FINAL
PERIM STORM DRAIN

Form Approved
OMB No. 2040-0004
Approval expires 6-30-88

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	05	01		90	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SURRE) SALEM

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-67)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	SAMPLE MEASUREMENT	*****	*****		7.5	*****	7.5	0	1/mo	grab
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	MINIMUM	*****	MAXIMUM	50	ONCE/ MONTH	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	54.5	57	-	1/mo	grab
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30DA AVG	DAILY RX	MG/L	ONCE/ MONTH	
HYDROCARBONS, IN H2O, TR, C14 EXT. CHROMA	SAMPLE MEASUREMENT	*****	*****		*****	1.62	3.1	0	1/mo	grab
00551 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	DAILY RX	MG/L	ONCE/ GRAB-1 MONTH	
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	26.4	28	0	1/mo	grab
00680 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	DAILY RX	MG/L	ONCE/ GRAB MONTH	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.456	0.456		*****	*****	*****	-	1/mo	
00050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY RX	MGD	*****	*****	*****	****	ONCE/ MONTH	
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
609 339-3463
DATE
90 06 25
AREA CODE NUMBER YEAR MO DAY

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