



Public Service Electric and Gas Company, P. O. Box 236, Hancocks Bridge, New Jersey 08008

Hope Creek Generating Station

January 25, 1991

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 December 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 measurement devices and analytical methods are controlled
by the EPA and the NJDEP, not by the company, and there are
limitations on the accuracy of such measurement devices and
analytical techniques even when used and maintained as
required. Accordingly, this report is not intended as an
assertion that any instrument has measured, or that any
reading analytical result represents the true value with
absolute accuracy, nor is it an endorsement of the
suitability of any analytical or measurement procedure.

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

Sincerely,

Joseph Hagan
General Manager -
Hope Creek Operations

The Energy People

9102120102 901231
PDR ADUCK 0500 0354
R PDR

IFAS
11

NJPDES

2

1/25/91

1
CW:ej
Attachments

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

NJPDES
Explanation of Exceedances
December 1990

1/25/91

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
December 1990

1/25/91

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

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

MONITORING REPORT - TRANSMITTAL SHEET

NPDES NO.

REPORTING PERIOD

NO. YR. NO. YR.

0101215141111

112/910 THRU 112/910

PERMITTEE: Name Public Service Electric & Gas Company

Address P. O. Box 236

Hancocks Bridge, N. J. 08038

FACILITY: Name Hope Creek Generating Station

Address P.O. Box 236

Hancocks Bridge, N. J. (County) Salem

Telephone (609) 339-3463

FORMS ATTACHED (Indicate Quantity of Each)

SLUDGE REPORTS - SANITARY

T-VWX-007 T-VWX-008 T-VWX-009

SLUDGE REPORTS - INDUSTRIAL

T-VWX-010A T-VWX-010B

WASTEWATER REPORTS

T-VWX-011 T-VWX-012 T-VWX-013

GROUNDWATER REPORTS

VWX-015(A,B) VWX-016 VWX-017

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 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 as Planned" 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. NO296

Signature [Signature]

Date 1/25/91

PRINCIPAL EXECUTIVE OFFICER or
DULY AUTHORIZED REPRESENTATIVE

Name (Printed) Joseph Hagan
General Manager

Title (Printed) Hope Creek Operations

Signature [Signature]

Date 1/25/91

OPERATING EXCEPTIONS DETAILED

HOURS ATTENDED AT PLANT

Month 112

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	-	12	12	4	-	8	8	8	8	-	-	-
Others	3	3	10	10	10	10	10	3	3	10	10	10	10	10	3	3
Day of Month	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Licensed Operator	--	--	8	8	8	--	--	--	-	--	--	--	-	-	-	
Others	10	10	10	10	10	3	3	10	3	10	10	10	3	3	10	

MONITORING REPORT - TRANSMITTAL SHEET

NPDES NO.

REPORTING PERIOD

MO. YR.

MO. YR.

100,25,41,11

11/2/90 THRU 11/21/90

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

FACILITY Name Hope Creek Generating Station
Address P.O. Box 236
Hancocks Bridge, NJ County Salem
Telephone (609) 339-5098

FORMS ATTACHED (Indicate Quantity of Each)

SLUDGE REPORTS - SANITARY

T-VWX-007 T-VWX-008 T-VWX-009

SLUDGE REPORTS - INDUSTRIAL

T-VWX-010A T-VWX-010B

WASTEWATER REPORTS

T-VWX-011 T-VWX-012 T-VWX-013

GROUNDWATER REPORTS

VWX-015(A,B) VWX-016 VWX-017

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 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 11/3/90

PRINCIPAL EXECUTIVE OFFICER or
DULY AUTHORIZED REPRESENTATIVE

Name (Printed) Joseph Hagan
Title (Printed) Gen. Mgr. Hope Creek Op.
Signature *Joseph Hagan*
Date 11/2/90

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME PSE&G
 ADDRESS P.O. BOX 230/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

Form Approved
 OMB No. 2040-0004
 Approval expires 6-30-91

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

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	12	01		90	1	31
	(12.01)	(12.31)	(24.25)		(1.27)	(1.31)	(31.31)

COOLING TOWER BLOWDOWN
 MAJOR SALEM
 SOUTHERN REGION

NOTE: Read instructions before completing this form.

DMR NUMBER: 90120389

PARAMETER (32.37)	X	(1 Card Only) QUANTITY OR LOADING (45-51)			(4 Card Only) QUANTITY OR CONCENTRATION (54-61)			NO. EX. (62-69)	FREQUENCY OF ANALYSIS (64-67)	SAMPLE TYPE (68-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 1		000000	000000		000000	000000	000000	0	cont	
EFFLUENT GROSS VALUE		000000	000000	0000	000000	REPORT	REPORT		CONTIN. DAILY	
TEMPERATURE, WATER DEG. CENTIGRADE 00010 7 1		000000	000000		000000	000000	000000	-	cont	
INTAKE FROM STREAM		000000	000000	0000	000000	REPORT	REPORT		CONTIN. DAILY	
PH		000000	000000		7.50000	000000	8.50000	0	2/wk	grab
00400 1 0		000000	000000	0000	6.00000	REPORT	REPORT	SU	TWICE/GRAB WEEK	
EFFLUENT GROSS VALUE		000000	000000	0000	000000	REPORT	REPORT		TWICE/GRAB MONTH	
SOLIDS, TGTAL SUSPENDED 00530 1 0		000000	000000	0000	000000	REPORT	REPORT	MG/L	TWICE/GRAB MONTH	
EFFLUENT GROSS VALUE		000000	000000	0000	000000	REPORT	REPORT		TWICE/GRAB MONTH	
SOLIDS, TOTAL SUSPENDED 00530 2 0		000000	000000	0000	000000	REPORT	REPORT	MG/L	TWICE/GRAB MONTH	
EFFLUENT NET VALUE		000000	000000	0000	000000	REPORT	REPORT		TWICE/GRAB MONTH	
SOLIDS, TOTAL SUSPENDED 00530 7 0		000000	000000	0000	000000	REPORT	REPORT	MG/L	TWICE/GRAB MONTH	
INTAKE FROM STREAM		000000	000000	0000	000000	REPORT	REPORT		TWICE/GRAB MONTH	
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 1 0		000000	000000	0000	000000	0.35000	0.40000	-	2/mo	grab
EFFLUENT GROSS VALUE		000000	000000	0000	000000	REPORT	REPORT	MG/L	TWICE/GRAB MONTH	

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THESE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 18 USC 1011. Penalties under these statutes may include fines up to \$100K and/or imprisonment of 5 years, 6 months and 1 year.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 609 339-3463 91 01 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 "NOBI" 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 ACT (CERCLA)
DISCHARGE MONITORING REPORT (DMR)
 (218) NJ0025411 (1719) 461A
 PERMIT NUMBER DISCHARGE NUMBER

Form Approved
 OMB No. 2040-0004
 Approval expires 6-30-91.

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

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
90	12	01		90	12	31
(20 21)		(22 23)		(24 25)		(26 27) (28 29) (30 31)

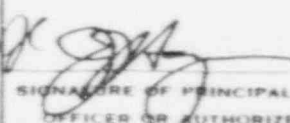
COOLING TOWER BLOWDOWN
 MAJOR SALEM
 SOUTHERN REGION
 NOTE: Read instructions before completing this form.

DMR NUMBER: 90120389

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (46-51)			QUALITY OF CONCENTRATION (46-51)				NO. EX (52-53)	FREQUENCY OF ANALYSIS (54-55)	SAMPLE TYPE (56-57)
		AVERAGE (46-51)	MAXIMUM (46-51)	UNITS (46-51)	MINIMUM (46-51)	AVERAGE (46-51)	MAXIMUM (46-51)	UNITS (46-51)			
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 2 0 EFFLUENT NET VALUE	REPORT MEASUREMENT	000000	000000	0000	000000	0.05000	0.10000	MG/L	0	2/mo	calc
HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 7 0 INTAKE FROM STREAM	REPORT MEASUREMENT	000000	000000	0000	000000	0.30000	0.30000	MG/L	-	2/mo	calc
PHOSPHORUS, TOTAL (AS P) 00665 1 1 EFFLUENT GROSS VALUE	REPORT MEASUREMENT	000000	000000	0000	000000	0.46150	0.54200	MG/L	-	2/mo	grab
PHOSPHORUS, TOTAL (AS P) 00665 2 1 EFFLUENT NET VALUE	REPORT MEASUREMENT	000000	000000	0000	000000	0.20075	0.25000	MG/L	-	2/mo	calc
PHOSPHORUS, TOTAL (AS P) 00665 7 1 INTAKE FROM STREAM	REPORT MEASUREMENT	000000	000000	0000	000000	0.26075	0.29200	MG/L	-	2/mo	grab
CARBON, TOT ORGANIC (TOC) 00680 1 1 EFFLUENT GROSS VALUE	REPORT MEASUREMENT	000000	000000	0000	000000	9.42500	11.50000	MG/L	-	2/mo	grab
CARBON, TOT ORGANIC (TOC) 00680 2 1 EFFLUENT NET VALUE	REPORT MEASUREMENT	000000	000000	0000	000000	4.72500	8.20000	MG/L	0	2/mo	calc

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THE INFORMATION 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 1343(a) & (b). Penalties under these statutes may include fines up to \$100,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT


TELEPHONE DATE
 609 339-3463 91 01 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.
 * Effluent net value is calculated value based on grab samples

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME P-5666
 ADDRESS P.O. BOX 280/N21
 HANCOCKS BRIDGE NJ 08038

FACILITY PEEG HOPE CREEK GENERATING ST
 LOCATION LOWER ALLOWAYS CREEK NJ 08038

DMR NUMBER 90120389

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (17-19)
 N J0025411 PERMIT NUMBER
 461A DISCHARGE NUMBER

MONITORING PERIOD
 YEAR 90 MO 12 DAY 01
 FROM 12/28/90 TO 12/31/90

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

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (14-61)			QUALITY OR CONCENTRATION (54-62)			UNITS	NO. OF ANALYSES (62-63)	FREQUENCY OF ANALYSES (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-51)	MAXIMUM (47-52)	MINIMUM (48-53)	AVERAGE (54-59)	MAXIMUM (60-61)	MINIMUM (62-63)				
CARBON, TOT ORGANIC (TOC)		000000	000000	000000	4.70000	6.10000	MG/L	-	2/MO	GRAB	
D0680 7 1 INTAKE FROM STREAM		000000	000000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	GRAB	
CHROMIUM, TOTAL (AS CR)		000000	000000	000000	NODI	NODI	MG/L	-	TWICE/MONTH	GRAB	
D1034 1 0 EFFLUENT GROSS VALUE		000000	000000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	GRAB	
CHROMIUM, TOTAL (AS CR)		000000	000000	000000	NODI	NODI	MG/L	-	TWICE/MONTH	GRAB	
D1034 2 0 EFFLUENT NET VALUE		000000	000000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	GRAB	
CHROMIUM, TOTAL (AS CR)		000000	000000	000000	NODI	NODI	MG/L	-	TWICE/MONTH	GRAB	
D1034 7 0 INTAKE FROM STREAM		000000	000000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	GRAB	
COPPER, TOTAL (AS CU)		000000	000000	000000	NODI	NODI	MG/L	-	TWICE/MONTH	GRAB	
D1042 1 0 EFFLUENT GROSS VALUE		000000	000000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	GRAB	
COPPER, TOTAL (AS CU)		000000	000000	000000	NODI	NODI	MG/L	-	TWICE/MONTH	GRAB	
D1042 2 0 EFFLUENT NET VALUE		000000	000000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	GRAB	
COPPER, TOTAL (AS CU)		000000	000000	000000	NODI	NODI	MG/L	-	TWICE/MONTH	GRAB	
D1042 7 0 INTAKE FROM STREAM		000000	000000	000000	REPORT 30DA AVG	REPORT DAILY MX	MG/L	-	TWICE/MONTH	GRAB	

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE AND BELIEF, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE NO FREE PASSENGERS FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 18 USC 1343. (Informer only show results with include form up to 2000 and not all maximum number of 6 months and 1 year)

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER:
 Joseph Hagan
 General Manager
 Hope creek operations

TYPED OR PRINTED
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OF AUTHORIZED AGENT
 609 339-3463
 AREA NUMBER
 DATE 91 01 25
 YEAR MO DAY

SAMPLING FOR TOXIC METALS IS REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF NOT USED, ENTER "NODI" FOR THESE METALS.

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used. REPLACES EPA FORM 70 WHICH MAY BE USED. 1745L 77535 0643L
 LAB: 3 OF 12

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME P-21-56
 ADDRESS P-21-56 BRIDGES NJ 08033

NATIONAL POLLUTANT DISCHARGE ELIMINATION ACT (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 PERMIT NUMBER NJ0025411
 DISCHARGE NUMBER 4651A

Form Approved
 OMB No. 2040-0004
 Approval expires 6-30-91

FACILITY FELLE HOPE CREEK GENERATING ST
 LOCATION LOWER ALLOWAYS CREEK NJ 08033
 DMR NUMBER 20120389

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

MONITORING PERIOD
 YEAR MO DAY YEAR MO DAY
 FROM 90 12 01 TO 90 12 31
 (12/01) (12/23) (12/31) (12/29) (12/29) (12/31)

PARAMETER (32.17)	((Card Only) QUANTITY OR LOADING (46.51)		QUANTITY OR CONCENTRATION (54.61)		AVERAGE	MINIMUM (58.45)	MAXIMUM (54.61)	UNITS	NO. OF ANALYSES (64.65)	FREQUENCY OF ANALYSES (68.79)	SAMPLE TYPE (69.79)
	AVERAGE (46.51)	MAXIMUM (54.61)	AVERAGE (46.51)	MAXIMUM (54.61)							
ZINC TOTAL (AS ZN)	000000	000000	000000	000000	NODI	000000	000000				
EFFLUENT GROSS VALUE	000000	000000	000000	000000	REPORT 30DA AVG	000000	000000	MG/L		1/TWICE/MONTH	GRAB
ZINC TOTAL (AS ZN)	000000	000000	000000	000000	NODI	000000	000000				
EFFLUENT NET VALUE	000000	000000	000000	000000	REPORT 30DA AVG	000000	000000	MG/L		2/TWICE/MONTH	CALCTD
ZINC TOTAL (AS ZN)	000000	000000	000000	000000	NODI	000000	000000				
INTAKE FROM STREAM	000000	000000	000000	000000	REPORT 30DA AVG	000000	000000	MG/L		2/TWICE/MONTH	GRAB
ASBESTOS (FIBROUS)	000000	000000	000000	000000	0.00005	0.00000	0.00006	UG/L		2/mo	grab
34225 1 0	000000	000000	000000	000000	REPORT 30DA AVG	000000	000000	UG/L		2/TWICE/MONTH	GRAB
EFFLUENT GROSS VALUE	000000	000000	000000	000000	0.00001	0.00000	0.00003	UG/L		2/mo	calc
ASBESTOS (FIBROUS)	000000	000000	000000	000000	REPORT 30DA AVG	000000	000000	UG/L		2/TWICE/MONTH	CALCTD
34225 2 0	000000	000000	000000	000000	0.00004	0.00000	0.00004	UC/L		2/mo	grab
EFFLUENT NET VALUE	000000	000000	000000	000000	REPORT 30DA AVG	000000	000000	UC/L		2/TWICE/MONTH	GRAB
INTAKE FROM STREAM	000000	000000	000000	000000	REPORT 30DA AVG	000000	000000			CONT	
FLOW IN CONDUIT OR THRU TREATMENT PLANT	000000	000000	000000	000000	REPORT 30DA AVG	000000	000000			CONTIN	
50050 1 0	000000	000000	000000	000000	REPORT 30DA AVG	000000	000000			UNUS	
EFFLUENT GROSS VALUE	31.93016	49.57200	REPORT 30DA AVG	REPORT DAILY MX	MGD						

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Joseph Hagan
 General Manager
 Hope creek Operations

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 (Signature)
 AREA CODE 609
 NUMBER 339-3463
 TELEPHONE

DATE 91 01 25
 YEAR MO DAY

SAMPLING FOR CU, MN, ZN 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 230/N21
HANCOCKS BRIDGE, NJ 08038

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

NJ0025411
 PERMIT NUMBER

463A
 DISCHARGE NUMBER

Form Approved
 OMB No. 2040-0004
 Approval expires 6-30-91.

FACILITY PSEG HOPE CREEK GENERATING ST
 LOCATION LOWER ALLOWAYS CREE, NJ 08038

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	12	01		90	12	31
	(30 21)	(12 23)	(12 25)		(26 27)	(12 28)	(30 31)

COOLING TOWER BLOWDOWN
 MAJOR SALEM
 SOUTHERN REGION

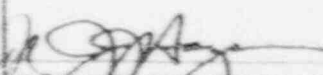
NOTE: Read instructions before completing this form.

DMR NUMBER: 90120389

PARAMETER (32-37)	SAMPLE MEASUREMENT	(1 Card Only) QUANTITY OR LOADING (34-37)			(4 Card Only) QUALITY OR CONCENTRATION (34-37)			NO. EX (32-33)	FREQUENCY OF ANALYSIS (34-35)	SAMPLE TYPE (36-37)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
CHLORINE, TOTAL RESIDUAL		000000	000000		<0.05000	0.05011	0.13000	0	cont	
50060 1 0		000000	000000	0000	REPORT	20000	50000			CONTAMINANTS
EFFLUENT GROSS VALUE				0000		30DA AVG	DAILY MX			
HEAT (WINTER) (PER HOUR)		173.05260	302.10000		000000	000000	000000	0	cont	calc
81367 2 0		REPORT	338.00000	MBTU/	000000	000000	000000	0000		CONTAMINANTS
EFFLUENT NET VALUE		30DA AVG	DAILY MX	HR	000					
	SAMPLE MEASUREMENT									
	SAMPLE MEASUREMENT									
	SAMPLE MEASUREMENT									
	SAMPLE MEASUREMENT									
	SAMPLE MEASUREMENT									
	SAMPLE MEASUREMENT									
	SAMPLE MEASUREMENT									
	SAMPLE MEASUREMENT									
	SAMPLE MEASUREMENT									

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT (SEE 18 USC § 1001 AND 18 USC § 1339. Penalties under these statutes may include fines up to \$100,000 and/or maximum imprisonment of between 6 months and 5 years.)


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 DATE
 609 339-3463 91 01 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.

PERMITTEE NAME/ADDRESS (includes Permitly Name/Location if different)
 NAME P 5546
 ADDRESS P.O. BOX 236/NJ21
 MANCOCK BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (1719)
 NJ0025411
 PERMIT NUMBER
 6011
 DISCHARGE NUMBER

Form Approved
 OMB No. 2040-0004
 Approval expires 6-30-91

LOW VOLUME MW SYSTEM
 MAJOR SALEM
 SOUTHERN REGION
 NOTE: Read instructions before completing this form.

MONITORING PERIOD
 FROM 90 12 01 TO 90 12 31
 (2021) (2223) (2425) (2627) (2829) (3031)
 (4 Cont Only) (58-63) (54-61)

QUALITY OR CONCENTRATION (54-61)
 AVERAGE MINIMUM MAXIMUM
 UNITS

PARAMETER (32-37)	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TEMPERATURE, WATER	000000	000000	000	000000	000000	000000	DEG-C	weekly	grab
DEG. CENTIGRADE	000000	000000	000	000000	000000	000000	DEG-C	weekly	grab
DOULG I I	000000	000000	000	000000	000000	000000	SU	2/mo	grab
EFLUENT GROSS VALUE	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
PH	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
00400 I 0	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
EFLUENT GROSS VALUE	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
SOLIDS, TOTAL	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
SUSPENDED	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
00530 I 0	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
EFLUENT GROSS VALUE	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
HYDROCARBONS, IN H2O	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
IR+CC14 EXT. CHROMAT	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
00551 I 0	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
EFLUENT GROSS VALUE	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
NITROGEN, AMMONIA	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
TOTAL (AS N)	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
00610 I 0	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
EFLUENT GROSS VALUE	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
CARBON, TOT ORGANIC	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
(TOC)	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
00680 I 1	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
EFLUENT GROSS VALUE	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
COPPER, TOTAL	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
(AS CU)	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
01042 I 0	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp
EFLUENT GROSS VALUE	000000	000000	000	000000	000000	000000	MG/L	TWICE/MONTH	comp

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Joseph Haqan
 General Manager
 Hope Creek Operations
 SIGNED AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 * Permit requires samples to be composite
 TELEPHONE
 339-3463
 NUMBER
 609
 AREA CODE
 339-3463
 NUMBER
 91
 YEAR
 01
 MO
 25
 DAY

PERMITTEE NAME: ADDRESS (Include
 Permit No. & 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

4811
 DISCHARGE NUMBER

Form Approved
 OMB No. 2040-0004
 Approval expires 6-30-91.

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

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
90	12	01	TO	90	12	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

LOW VOLUME WW SYSTEM
 MAJOR SALEM
 SOUTHERN REGION

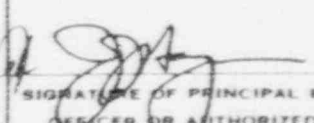
NOTE: Read instructions before completing this form.

DMR NUMBER: 90120389

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (46-53)			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			
IRON, TOTAL (AS FE) 1045 1 0	◇◇◇◇◇◇	◇◇◇◇◇◇	◇◇◇◇◇◇	◇◇◇◇◇◇	◇◇◇◇◇◇	0.69250	0.95500	MG/L	-	2/mo	grab
EFFLUENT GROSS VALUE LOW, IN CONDUIT OR THRU TREATMENT PLANT 0050 1 0	◇◇◇◇◇◇	◇◇◇◇◇◇	◇◇◇◇◇◇	◇◇◇◇◇◇	◇◇◇◇◇◇	REPORT 30DA AVG	REPORT DAILY MX	◇◇◇◇◇◇	◇◇◇◇◇◇	0	cont
EFFLUENT GROSS VALUE	◇◇◇◇◇◇	◇◇◇◇◇◇	◇◇◇◇◇◇	◇◇◇◇◇◇	◇◇◇◇◇◇	REPORT 30DA AVG	REPORT DAILY MX	◇◇◇◇◇◇	◇◇◇◇◇◇	0	CONTIN UOUS
	◇◇◇◇◇◇										
	◇◇◇◇◇◇										
	◇◇◇◇◇◇										
	◇◇◇◇◇◇										
	◇◇◇◇◇◇										
	◇◇◇◇◇◇										
	◇◇◇◇◇◇										
	◇◇◇◇◇◇										

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 18 U.S.C. § 1011. (Penalties under these statutes may include fines up to \$100,000 and a 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
 91 01 25
 YEAR MO DAY

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

NAME P-5-66
 ADDRESS P.O. BOX 230/N21
 HANCOCKS BRIDGE NJ 08073

DISCHARGE MONITORING REPORT (DMR)
 (17.19)

PERMIT NUMBER NJ0025411
 DISCHARGE NUMBER 462A

Form Approved
 OMB No. 2040-0004
 Approval expires 6-30-91

MAJOR SOURCE OR CONCENTRATION

SALEM
 NORTH STORM DRAIN

MONITORING PERIOD
 FROM YEAR 90 MO 12 DAY 01 TO YEAR 90 MO 12 DAY 31
 (12.21) (12.23) (12.31) (12.27) (12.29) (12.31)

FACILITY R-566 HOPE CREEK GENERATING ST
 LOCATION LOWER ALLOWAYS CREEK NJ 08038

DMR NUMBER: 9012038

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	QUANTITY OR LOADING (54.61)		QUALITY OR CONCENTRATION (4 Card Only) (18-43)		AVERAGE (46-53)	MAXIMUM (34-67)	UNITS	NO. OF EX ANALYSIS (64-68)	FREQUENCY OF ANALYSIS (69-70)	SAMPLE TYPE
	AVERAGE (46-53)	MAXIMUM (54-61)	MINIMUM (18-43)	UNITS						
PH	7.70000	7.70000	7.70000	7.70000	7.70000		0	1/mo	grab	
EFFLUENT GROSS VALUE	6.00000	9.00000	6.00000	9.00000	MAXIMUM			ONCE/MONTH	GRAB	
SOLIDS, TOTAL	90.00000	90.00000	90.00000	90.00000				1/mo	grab	
SUSPENDED	30.00000	100.00000	30.00000	100.00000	DAILY MX			ONCE/MONTH	GRAB	
HYDROCARBONS IN H2O	0.36333	0.44000	0.36333	0.44000			0	1/mo	grab-3	
IR, CC14 EXT. CHROMAT	REPORT	15.00000	REPORT	15.00000	DAILY MX			ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	6.00000	6.00000	6.00000	6.00000			0	1/mo	grab	
CARBON, TOT ORGANIC (TOC)	REPORT	50.00000	REPORT	50.00000	DAILY MX			ONCE/MONTH	GRAB	
EFFLUENT GROSS VALUE	0.23704	0.23704	0.23704	0.23704				1/mo		
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	REPORT	3000.00000	REPORT	3000.00000	DAILY MX			ONCE/MONTH		
EFFLUENT GROSS VALUE	3000.00000	3000.00000	3000.00000	3000.00000						

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Joseph Hagan
 General Manager
 Hope Creek Operations

TYPE OR PRINTED

TELEPHONE

DATE

339-3463 91 01 25

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER
 OFFICER OR AUTHORIZED AGENT

509 AREA CODE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 SAMPLES TO BE TAKEN DURING A DISCHARGE EVENT, EXCEPT FOR PEI 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.

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

REPLACES EPA FORM 340 WHICH MAY BE USED 17451 77535 06431

PAGE 8 OF 12

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

Form Approved
OMB No. 2040-0004
Approval expires 6-30-91

46.2 b
DISCHARGE NUMBER

PERMIT NUMBER
NJ0025411

MONITORING PERIOD
YEAR MO DAY TO YEAR MO DAY
FROM 90 12 01 TO 90 12 31

FACILITY PSEG HUPE CREEK GENERATING ST
LOCATION LOWER ALLOWAYS CREEK NJ 08038
DMR NUMBER 90120389

SEWAGE W-W
MAJOR SOUTHAN REGION
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	QUANTITY OR LOADING (54-61)			QUANTITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
BOD 5-DAY (20 DEG. C)	45.54879	74.24390		000000	608.00000		-	1/mo	grab
RAW SEM/INFLUENT	REPORT 30DA AVG	REPORT DAILY MX	KG/ DAY	000000	REPORT 30DA AVG	REPORT DAILY MX		ONCE/ MONTH	GRAB
BOD 5-DAY (20 DEG. C)	1.49832	2.44223		000000	20.00000		0	1/mo	grab
EFFLUENT GROSS VALUE	REPORT 30DA AVG	REPORT DAILY MX	KG/ DAY	000000	REPORT 30DA AVG	REPORT DAILY MX		ONCE/ MONTH	GRAB
PH	000000	000000		6.36000	7.36000		0	2/wk	grab
EFFLUENT GROSS VALUE	REPORT 30DA AVG	REPORT DAILY MX		000000	9.00000	5U	0	TWICE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED	000000	000000		000000	407.00000		-	1/mo	comp
EFFLUENT GROSS VALUE	REPORT 30DA AVG	REPORT DAILY MX		000000	REPORT 30DA AVG	REPORT DAILY MX		ONCE/ MONTH	COMPOS
DIL AND GREASE	000000	000000		000000	15.00000		0	1/mo	comp
FREON EXIR-GRAY METH	000000	000000		000000	100.00000		0	ONCE/ MONTH	COMPOS
EFFLUENT GROSS VALUE	REPORT 30DA AVG	REPORT DAILY MX		000000	<1.00000		0	1/mo	grab
FLOW IN CONDUIT OR THRU TREATMENT PLANT	0.01979	0.03226		000000	20.00000			ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE	REPORT 30DA AVG	REPORT DAILY MX		000000	REPORT 30DA AVG	REPORT DAILY MX		ONCE/ MONTH	GRAB
EFFLUENT GROSS VALUE	REPORT 30DA AVG	REPORT DAILY MX		000000	000000			daily	ind
EFFLUENT GROSS VALUE	REPORT 30DA AVG	REPORT DAILY MX		000000	000000			DAILY	FLOIND

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THESE 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.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Joseph hagan
General Manager
Hope Creek Operations

DATE
91 01 25

TELEPHONE
339-3463

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE
609

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

ADDRESS 455 E. 4

PERMIT NUMBER NJ0023411

WATER DISCHARGE NUMBER 4523

MONITORING PERIOD YEAR 90 MO 12 DAY 01 TO YEAR 90 MO 12 DAY 31

FROM 12/01/90 TO 12/31/90

MR NUMBER: 9012038

ACTIVITY PSEGG HOPE CREEK GENERATING STATION

LOCATION LOWER ALLOWAYS CREEK NJ 08038

MANCOCKS BRIDGE NJ 08038

SEWAGE W.W.

MAJOR SOUTHERN REGION

SALEM

NOTE: Read instructions before completing this form.

FORM APPROVED OMB No. 2040-0004

APPROVAL EXPIRES 6-30-91

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(1719)

PERMIT NUMBER NJ0023411

WATER DISCHARGE NUMBER 4523

MONITORING PERIOD YEAR 90 MO 12 DAY 01 TO YEAR 90 MO 12 DAY 31

FROM 12/01/90 TO 12/31/90

MR NUMBER: 9012038

ACTIVITY PSEGG HOPE CREEK GENERATING STATION

LOCATION LOWER ALLOWAYS CREEK NJ 08038

MANCOCKS BRIDGE NJ 08038

SEWAGE W.W.

MAJOR SOUTHERN REGION

SALEM

NOTE: Read instructions before completing this form.

FORM APPROVED OMB No. 2040-0004

APPROVAL EXPIRES 6-30-91

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(1719)

PERMIT NUMBER NJ0023411

WATER DISCHARGE NUMBER 4523

MONITORING PERIOD YEAR 90 MO 12 DAY 01 TO YEAR 90 MO 12 DAY 31

FROM 12/01/90 TO 12/31/90

MR NUMBER: 9012038

ACTIVITY PSEGG HOPE CREEK GENERATING STATION

LOCATION LOWER ALLOWAYS CREEK NJ 08038

MANCOCKS BRIDGE NJ 08038

SEWAGE W.W.

MAJOR SOUTHERN REGION

SALEM

NOTE: Read instructions before completing this form.

FORM APPROVED OMB No. 2040-0004

APPROVAL EXPIRES 6-30-91

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(1719)

PERMIT NUMBER NJ0023411

WATER DISCHARGE NUMBER 4523

PARAMETER (17.37)	QUANTITY OR LOADING (16.61)			QUALITY OR CONCENTRATION (16.51)			UNITS	NO. OF ANALYSES (16.48)	FREQUENCY OF ANALYSES (16.48)	SAMPLE TYPE (16.70)
	AVERAGE (16.51)	MAXIMUM (16.61)	MINIMUM (16.45)	AVERAGE (16.51)	MAXIMUM (16.61)	MINIMUM (16.45)				
COLIFORM, FECAL	000000	000000	000000	<20.00000	<20.00000	<20.00000	CF/100 ML	0	1/mo	grab
GENERAL	000000	000000	000000	000000	000000	000000	PERCENT	0	ONCE/MONTH	GRAB
4055 I O	000000	000000	000000	000000	000000	000000	PERCENT	0	1/mo	calc
EFFLUENT GROSS VALUE	000000	000000	000000	000000	000000	000000	PERCENT	0	ONCE/MONTH	CALCULATED
5-DAY PERCENT REMOVAL	000000	000000	000000	000000	000000	000000	PERCENT	0	1/mo	calc
1010 K O	000000	000000	000000	000000	000000	000000	PERCENT	0	ONCE/MONTH	CALCULATED
PERCENT REMOVAL	000000	000000	000000	000000	000000	000000	PERCENT	0	1/mo	calc
1011 K O	000000	000000	000000	000000	000000	000000	PERCENT	0	ONCE/MONTH	CALCULATED
PERCENT REMOVAL	000000	000000	000000	000000	000000	000000	PERCENT	0	1/mo	calc
XYGEN DEMAND	000000	000000	000000	000000	000000	000000	MG/L	0	ONCE/MONTH	CALCULATED
FIRST STAGE	000000	000000	000000	000000	000000	000000	MG/L	0	ONCE/MONTH	CALCULATED
2210 I O	000000	000000	000000	000000	000000	000000	MG/L	0	ONCE/MONTH	CALCULATED
EFFLUENT GROSS VALUE	000000	000000	000000	000000	000000	000000	MG/L	0	ONCE/MONTH	CALCULATED

NAME/TITLE	PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DATE
Joseph Hagan	General Manager	339-3463	91 01 25
Joseph Hagan	Principal Executive Officer	609 AREA NUMBER	

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREON AND BASED ON MY KNOWLEDGE OF THESE INDIVIDUALS, IMMEDIATELY RESPONSIBLE FOR OBTAINING, THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION FOR THIS PERMIT IS ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 40 USC § 1001 AND 40 CFR § 121.101. Penalties under these statutes may include fines up to \$10,000 and a maximum imprisonment of 6 months, and 1 year.

EMITTER NAME/ADDRESS (Include
city/Name/Location if different)

NAME P-56-66

ADDRESS P.O. BOX 236/NJ21

MANCOCKS BRIDGE NJ 08038

ACTIVITY P-56-66 HOPE CREEK GENERATING ST
LOCATION UPPER ALLOWAYS CREEK NJ 08038

PERM NUMBER 90120389

PARAMETER

(22-37)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(1-19)

PERMIT NUMBER NJ0025411

46.34

DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
90	12	01	90	12	31

SOUTH STORM DRAIN

MAJOR

SOUTHERN REGION

SALEM

NOTE: Read instructions before completing this form.

PARAMETER	(1 Card Only) QUANTITY OR LOADING (54-61)		(4 Card Only) QUALITY OR CONCENTRATION (54-61)		UNITS	MAXIMUM	AVERAGE	MINIMUM	UNITS	NO. EX. (62-65)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-79)
	AVERAGE	MAXIMUM	MINIMUM	AVERAGE								
EFFLUENT GROSS VALUE	0.25634	0.25634	0.00000	0.00000	MG/L	16.00000	0.00000	0.00000	MG/L	0	1/mo	grab
FLUENT GROSS VALUE					SU							GRAB
FLUENT TOTAL												
FLUENT SUSPENDED												
EFFLUENT GROSS VALUE												
HYDROCARBONS IN H2O												
PERMITS EXT. CHROMAT												
EFFLUENT GROSS VALUE												
ARSENIC TOI ORGANIC												
TOC												
EFFLUENT GROSS VALUE												
LOW IN CONDUIT OR												
HRU TREATMENT PLANT												
EFFLUENT GROSS VALUE												

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Joseph Hagan
General Manager
Hope Creek Operations

TYPE OR PRINTED

TELEPHONE
609 339-3463

DATE
91 01 25

COMPLIANCE AND EXPLANATION OF ANY VIOLATIONS (Reference to violations 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
DRY PERIOD OF 72 HRS.

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 believe that the submitted information
is true, accurate and complete. I am also aware that there are sic-
nificant penalties for submitting false information including
the possibility of fine and imprisonment (see 18 U.S.C. 1001) and
18 U.S.C. 1333. (Penalty under these statutes may vary from up to \$10,000
and a maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE NUMBER
609 339-3463

REPLACES EPA FORM 7-46 WHICH MAY BE OBSOLETE - 17451-1-77535-1-06521-1-1
PAGE 11 OF 12

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

NAME PSEEG
 ADDRESS P.O. BOX 230/N21
HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NJ0025411

PERMIT NUMBER

404A

DISCHARGE NUMBER

Form Approved.
 OMB No. 2040-0004.
 Approval expires 6-30-91

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	12	01		90	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PERIM STORM DRAIN

MAJUR

SALEM

SOUTHERN REGION

NOTE: Read instructions before completing this form.

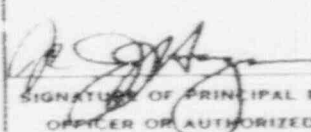
FACILITY PSEEG HOPE CREEK GENERATING ST
 LOCATION LOWER ALLOWAYS CREE, NJ 08038

DMR NUMBER: 70120309

PARAMETER (32-37)	X	(1 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			
PH		000000	000000		7.50000	000000	7.50000		1/mo	grab
00400 1 0 EFFLUENT GROSS VALUE		000000	000000	0000 MINIMUM	0.00000	000000	0.00000	SU	ONCE/ MONTH	GRAB
50100 1 0 SOLIDS, TOTAL SUSPENDED		000000	000000	0000	000000	14.00000	14.00000		1/mo	grab
00530 1 0 EFFLUENT GROSS VALUE		000000	000000	0000	000000	100.00000	100.00000	MG/L	ONCE/ MONTH	GRAB
HYDROCARBONS, IN H2O, IR,CC14 EXT. CHROMAT		000000	000000	0000	000000	0.30000	0.30000		1/mo	grab
00551 1 0 EFFLUENT GROSS VALUE		000000	000000	0000	000000	REPORT 30DA AVG	15.00000 DAILY MX	MG/L	ONCE/ MONTH	GRAB
CARBON, TOT ORGANIC (TOC)		000000	000000	0000	000000	REPORT 30DA AVG	50.00000 DAILY MX	MG/L	ONCE/ MONTH	GRAB
00680 1 1 EFFLUENT GROSS VALUE		0.33447	0.33447		000000	000000	000000		1/mo	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		REPORT	REPORT	MGD	000000	000000	000000	0000	ONCE/ MONTH	
50050 1 0 EFFLUENT GROSS VALUE		0.33447	0.33447	MGD	000000	000000	000000	0000	ONCE/ MONTH	

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

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 18 USC § 1011. Penalties under these statutes may include fines up to \$100K and/or maximum imprisonment of between 6 months and 3 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT


TELEPHONE
 609 339-3463
 AREA NUMBER
 DATE
 91 01 25
 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 MINIMUM DRY PERIOD OF 72 HRS. *Unable to meet Hydrocarbon sampling criteria due to ditch construction. A single grab sample was obtained for information.