



50-354

Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038-0236

Nuclear Business Unit

LR-E00-0463

NOV 22 2000

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7099 3400 0002 4172 2631

Department of Environmental Protection
Division of Water Quality
Bureau of Permit Management
P.O. Box 029
Trenton, N.J. 08625-0029

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 October 2000.

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 Felicia Franceschini at (856) 339-3132.

Sincerely,

Mark B. Bezilla
Vice President
Operations

IE25

NJPDES DMR

NOV 22 2000

Attachments

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

NJPDES DMR

NOV 22 2000

Attachments

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

**BC Vice President - Operations
Manager - Licensing and Regulation - Nuclear
Maureen Vaskis, Esq.**

P. R. La Sala

D. K. Hurka

C. E. White

F. Franceschini

J. Buchanan

A. Nurk

Chem File HCH 2000-072

Env Lic File 2.1.6 HC Book

NOV 22 2000

NJPDES DMR

Explanation of Conditions

October 2000

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:

Hope Creek Generating Station (17451)
Washington Group Laboratory (77343)
South Jersey Testing, Inc. (06431)

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

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

The industrial license holder's (N-2) signature is signifying the review for DSN's 461A and 461C. The S-4 license holder's signature signifies review for DSN-462B.

NJPDES DMR

NOV 22 2000

Explanation of Exceedances

October 2000

The following exceedances are included in the attached report and explained below.

DSN No.

EXPLANATION

No Exceedances

NOV 22 2000

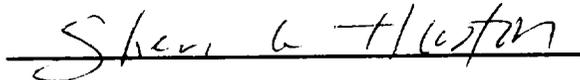
I, Mark B. Bezilla, of full age, being duly sworn according to law, upon my oath depose and say:

1. I am the Vice President, Operations for PSEG Nuclear, and as such am authorized to sign Hope Creek's Discharge Monitoring Reports submitted to the New Jersey Department of Environmental Protection pursuant to the Station's New Jersey Pollutant Discharge Elimination System permit.
2. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.
3. The signature on the attached Discharge Monitoring Reports is my signature and I am submitting this affidavit in satisfaction of the requirement that my signature be notarized.



Mark B. Bezilla
Vice President
Operations

Sworn and subscribed before me
this 22 day of NOV 2000 .



New Jersey Department of Environmental Protection
Division of Water Quality

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: **NJ0025411**
MONITORING REPORT TYPE: **Surface Water Discharge**
MONITORING PERIOD: **10/1/2000 - 10/31/2000**

MONITORED LOCATION: **461A DSN 461A - dsw**
MONITORED LOCATION GROUP: **N/A**
REGION / COUNTY: **Southern / Salem County**

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

LOCATION OF ACTIVITY:
PSE&G HOPE CREEK GENERATING ST
ARTIFICIAL ISLAND
FOOT OF BUTTONWOOD RD
LOWER ALLOWAYS CREEK, NJ 08038-0000

CHECK IF APPLICABLE: **No Discharge this Monitoring Period**

MONITORING REPORT COMMENTS: _____

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. § 1319.

(Penalties under these statutes may include fines up to \$10,000 and or a maximum imprisonment of between 6 months and 5 years.)

MARK B. BeZILLA Vice President OPERATIONS
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

MB
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

856-339-3463
AREA CODE / TELEPHONE NUMBER

11/22/00
DATE (MONTH / DAY / YEAR)

Surface Water Discharge Monitoring Report

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

10/1/2000 TO 10/31/2000

PSE&G HOPE CREEK GENERATING ST

PARAMETER	X	QUANTITY OR LOADING		UNITS	QUANTITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	58,376	71,801	MGD	*****	*****	*****	*****	0	Continuous	METER
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	Continuous	METER
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	8.3	*****	8.5	*****	0	1/Week	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	6.0 01DAMN	*****		9.0 01DAMX	SU	1/Week
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	0.16	*****	0	3/Week	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.2 01MOAV		0.5 01DAMX	MG/L	3/Week
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	26.1	30.4	*****	0	Continuous	CK REQ
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		36.2 01DAMX	DEG.C	Continuous
Temperature, oC 00010 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	*****	19.6	22.3	*****	0	Continuous	CK REQ
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		REPORT 01DAMX	DEG.C	Continuous
Phosphorus, Total (as P) 00665 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	Code=N	Code=N	*****	0	Code=N	Code=N
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		REPORT 01DAMX	MG/L	1/Month
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	8.3	8.3	*****	0	1/Month	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		REPORT 01DAMX	MG/L	1/Month
Carbon, Tot Organic (TOC) 00680 2 Effluent Net Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	0	0	*****	0	1/Month	CALCTD
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		20 01DAMX	MG/L	1/Month

Comments: Your Monitoring Report Forms have been converted to the Department's new N. J. Environmental Management System (NJEMS). If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Regn 2 at (609) 292-4860 or via email at "rosenwr@dep.state.nj.us".

Surface Water Discharge Monitoring Report

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

10/1/2000 TO 10/31/2000

PSE&G HOPE CREEK GENERATING ST

PARAMETER	X	QUANTITY OR LOADING		UNITS	QUANTITY OR CONCENTRATION			UNITS	NO EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Carbon, Tot Organic (TOC) 00680 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****		*****	6.7	6.7		0	1/month	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
Heat (winter) (per Hr.) 81387 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	238	330		0	1/DAY	CALCTD
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	662 01DAMX	MBTU/HR		1/Day	CALCTD
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17451	77343		06431						
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP

Comments: Your Monitoring Report Forms have been converted to the Department's new N. J. Environmental Management System (NJEMS). If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Regin 2 at (609) 292-4860 or via email at "srosenwi@dep.state.nj.us".

New Jersey Department of Environmental Protection
Division of Water Quality

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: **NJ0025411**
MONITORING REPORT TYPE: **Surface Water Discharge N**
MONITORING PERIOD: **10/1/2000 - 10/31/2000**

MONITORED LOCATION: **461C DSN 461C - DSW internal**
MONITORED LOCATION GROUP: **N/A**
REGION / COUNTY: **Southern / Salem County**

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

LOCATION OF ACTIVITY:
PSE&G HOPE CREEK GENERATING ST
ARTIFICIAL ISLAND
FOOT OF BUTTONWOOD RD
LOWER ALLOWAYS CREEK, NJ 08038-0000

CHECK IF APPLICABLE: No Discharge this Monitoring Period

MONITORING REPORT COMMENTS: _____

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. § 1319.

(Penalties under these statutes may include fines up to \$10,000 and or a maximum imprisonment of between 6 months and 5 years.)

MARK B. BEZILLA Vice President Operations
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

856-339-3463
AREA CODE / TELEPHONE NUMBER

11/22/00
DATE (MONTH / DAY / YEAR)

Surface Water Discharge Monitoring Report

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW intern:

10/1/2000 TO 10/31/2000

PSE&G HOPE CREEK GENERATING ST

PARAMETER		QUANTITY OR LOADING		UNITS	QUANTITY OR CONCENTRATION			UNITS	NO. EX.	FREQ OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant 50050 1	SAMPLE MEASUREMENT	.030	.080		*****	*****	*****		0	Continuous	METER
Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	*****	*****	*****	*****		Continuous	METER
Solids, Total Suspended 00530 1	SAMPLE MEASUREMENT	*****	*****		*****	2	2		0	1/month	COMPOS
Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	*****	*****	30 01MOAV	100 01DAMX	MG/L		1/Month	COMPOS
Petrol Hydrocarbons, Total Recoverable 45501 1	SAMPLE MEASUREMENT	*****	*****		*****	<1	<1		0	2/month	GRAB
Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	*****	*****	10 01MOAV	15 01DAMX	MG/L		2/Month	GRAB
Carbon, Tot Organic (TOC) 00680 1	SAMPLE MEASUREMENT	*****	*****		*****	6.3	6.3		0	1/month	COMPOS
Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	50 01DAMX	MG/L		1/Month	COMPOS
Lab Certification # 99999 99	SAMPLE MEASUREMENT	17457	77343		06431						
Lab	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP

Comments: Your Monitoring Report Forms have been converted to the Department's new N. J. Environmental Management System (NJEMS). If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Region 2 at (609) 292-4860 or via email at "srosenwi@dep.state.nj.us".

New Jersey Department of Environmental Protection
Division of Water Quality

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: **NJ0025411**
MONITORING REPORT TYPE: **Surface Water Discharge**
MONITORING PERIOD: **10/1/2000 - 10/31/2000**

MONITORED LOCATION: **462B dsn 462B - dsw outfall**
MONITORED LOCATION GROUP: **N/A**
REGION / COUNTY: **Southern / Salem County**

PERMITTEE NAME AND ADDRESS:

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

LOCATION OF ACTIVITY:

**PSE&G HOPE CREEK GENERATING ST
ARTIFICIAL ISLAND
FOOT OF BUTTONWOOD RD
LOWER ALLOWAYS CREEK, NJ 08038-0000**

CHECK IF APPLICABLE: **No Discharge this Monitoring Period**

MONITORING REPORT COMMENTS: _____

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. § 1319.

(Penalties under these statutes may include fines up to \$10,000 and or a maximum imprisonment of between 6 months and 5 years.)

MARK B. BEZILLA Vice President Operations

NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

856-339-3463

AREA CODE / TELEPHONE NUMBER

Mark B. Bezilla

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

11/22/05

DATE (MONTH / DAY / YEAR)

Surface Water Discharge Monitoring Report

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

10/1/2000 TO 10/31/2000

PSE&G HOPE CREEK GENERATING ST

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		UNITS	QUANTITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant 50050 1		0.15	0.25		*****	*****	*****		0	1/Day	METER
Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	*****	*****	*****	*****		1/Day	METER
BOD, 5-Day (20 oC) 00310 1	SAMPLE MEASUREMENT	1	1		*****	*****	*****		0	1/month	COMPOS
Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	KG/DAY	*****	*****	*****	*****		1/Month	COMPOS
BOD, 5-Day (20 oC) 00310 K	SAMPLE MEASUREMENT	*****	*****		98.0	*****	*****		0	1/month	CALCTD
Percent Removal	PERMIT REQUIREMENT	*****	*****	*****	87.5 01DAMN	*****	*****	PERCENT		1/Month	CALCTD
Solids, Total Suspended 00530 1	SAMPLE MEASUREMENT	*****	*****		*****	9	9		0	1/month	COMPOS
Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	*****	*****	30 01MOAV	REPORT 01DAMX	MG/L		1/Month	COMPOS
Solids, Total Suspended 00530 K	SAMPLE MEASUREMENT	*****	*****		98	*****	*****		0	1/month	CALCTD
Percent Removal	PERMIT REQUIREMENT	*****	*****	*****	85 01MOAVMN	*****	*****	PERCENT		1/Month	CALCTD
Oil and Grease Freon Ext-grav Meth 00556 1	SAMPLE MEASUREMENT	*****	*****		*****	<1	<1		0	1/month	GRAB
Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	*****	*****	10 01MOAV	15 01DAMX	MG/L		1/Month	GRAB
Coliform, Fecal General 74055 1	SAMPLE MEASUREMENT	*****	*****		*****	<1	<1		0	1/month	GRAB
Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	*****	*****	200 01MOGE	400 01WKGE	#/100ML		1/Month	GRAB
Lab Certification # 99999 99	SAMPLE MEASUREMENT	17451	77343		06431						
Lab	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP

Comments: Your Monitoring Report Forms have been converted to the Department's new N.J. Environmental Management System (NJEMS). If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Region 2 at (609) 292-4860 or via email at "rosenwi@dep.state.nj.us".