



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

Nuclear Business Unit

SEP 21 2000

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7099 3400 0002 4172 2662

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

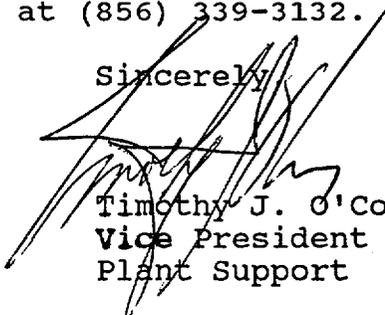
Dear Sir:

Attached is the Discharge Monitoring Report for the Hope Creek
Generating Station for the month of August 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,



Timothy J. O'Conner
Vice President
Plant Support

IE25

SEP 21 2000

NJPDES DMR

Attachments

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

SEP 21 2000

NJPDES DMR

Attachments

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

BC Vice President - Plant Support
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 2000-062

Env Lic File 2.1.6 HC Book

SEP 21 2000

NJPDES DMR

Explanation of Conditions

August 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.

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.

SEP 21 2000

NJPDES DMR

Explanation of Exceedances

August 2000

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

DSN No.

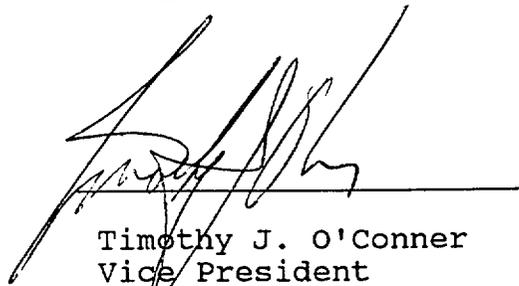
EXPLANATION

No Exceedances

COUNTY OF SALEM
STATE OF NEW JERSEY

I, Timothy J. O'Conner, of full age, being duly sworn according to law, upon my oath depose and say:

1. I am the Vice President, Plant Support 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.



Timothy J. O'Conner
Vice President
Plant Support

Sworn and subscribed before me
this 21 day of Sept 2000 .

Sheri L. Huston

SHERI L. HUSTON
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 12/08/2003

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: **8/1/2000 - 8/31/2000**

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

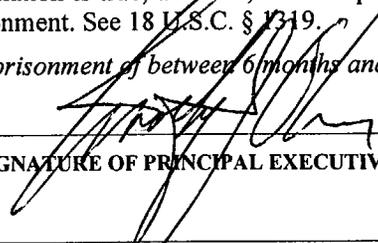
CHECK IF APPLICABLE: **No Discharge this Monitoring Period**

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.)

Timothy J. O'Connor VICE-President Plant Support
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT


SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

SEP 21 2000

856 / 339 - 2900
AREA CODE / TELEPHONE NUMBER

DATE (MONTH / DAY / YEAR)

Surface Water Discharge Monitoring Report

PERMIT NUMBER: NJ0025411
 MONITORED LOCATION: 461A DSN 461A - dsw
 MONITORING PERIOD: 8/1/2000 TO 8/31/2000
 FACILITY NAME: PSE&G HOPE CREEK GENERATING ST

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING		UNITS	QUANTITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
		REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	58.216	67.183	MGD	*****	*****	*****	*****	0	CONTINUOUS	METER
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****		*****	*****	Continuous
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	8.5	*****	8.6	SU	0	1/week	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	6.0 01DAMN	*****		9.0 01DAMX	*****	1/Week
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	20.1	20.1	MG/L	0	3/week	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.2 01MOAV		0.5 01DAMX	*****	3/Week
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	31.0	34.3	DEG.C	0	CONTINUOUS	CK REQ
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		36.2 01DAMX	*****	Continuous
Temperature, oC 00010 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	*****	27.2	28.6	DEG.C	0	CONTINUOUS	CK REQ
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		REPORT 01DAMX	*****	Continuous
Phosphorus, Total (as P) 00665 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	Code=N	Code=N	MG/L	0	1/month	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		REPORT 01DAMX	*****	1/Month
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	4.8	4.8	MG/L	0	1/month	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		REPORT 01DAMX	*****	1/Month
Carbon, Tot Organic (TOC) 00680 2 Effluent Net Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	1	1	MG/L	0	1/month	CALCTD
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		20 01DAMX	*****	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 - Reg'n 2 at (609) 292-4860 or via email at "srosenwi@dep.state.nj.us".

Surface Water Discharge Monitoring Report

PERMIT NUMBER: NJ0025411
 MONITORED LOCATION: 461A DSN 461A - dsw
 MONITORING PERIOD: 8/1/2000 TO 8/31/2000
 FACILITY NAME: 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	*****	*****	*****	*****	3.2	3.2	MG/L	0	1/month	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Month	GRAB
Heat (summer) (per Hr.) 81386 1 Effluent Gross Value	SAMPLE MEASUREMENT	137	210	MBTU/ DAY	*****	*****	*****	*****	0	1/Day	CALCTD
	PERMIT REQUIREMENT	REPORT 01MOAV	534 01DAMX		*****	*****	*****			1/Day	CALCTD
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17451	77343		06431				0	NOT APPLIC	NOT AP
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP

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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: **8/1/2000 - 8/31/2000**

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

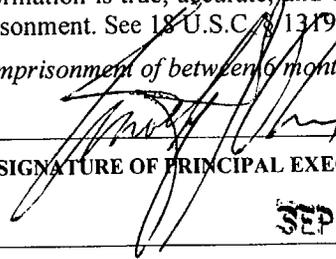
CHECK IF APPLICABLE: **No Discharge this Monitoring Period**

MONITORING REPORT COMMENTS: _____

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

Timothy J. O'Connor Vice President Phant Support
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT


SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

856 / 339-2900
AREA CODE / TELEPHONE NUMBER

SEP 21 2000
DATE (MONTH / DAY / YEAR)

Surface Water Discharge Monitoring Report

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW intern

8/1/2000 TO 8/31/2000

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 Effluent Gross Value	SAMPLE MEASUREMENT	0.039	0.120	MGD	*****	*****	*****	*****	0	CONTINUOUS	METER
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	Continuous	METER
Solids, Total Suspended 00530 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	10	10	MG/L	0	1/month	COMPOS
	PERMIT REQUIREMENT	*****	*****		*****	*****	30 01MOAV		100 01DAMX	1/Month	COMPOS
Petrol Hydrocarbons, Total Recoverable 45501 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	3	7	MG/L	0	1/month	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	*****	10 01MOAV		15 01DAMX	2/Month	GRAB
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	13	13	MG/L	0	1/month	COMPOS
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		50 01DAMX	1/Month	COMPOS
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17451	77343		06431				0	NOT APPLIC	NOT AP
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		REPORT Lab #	Not Applic	NOT AP

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MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: **NJ0025411**
MONITORING REPORT TYPE: **Surface Water Discharge**
MONITORING PERIOD: **8/1/2000 - 8/31/2000**

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: _____

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

Timothy J. O'Connell Vice President PLANT SUPPORT
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

856/335-2900
AREA CODE / TELEPHONE NUMBER

SEP 21 2000
DATE (MONTH / DAY / YEAR)

Surface Water Discharge Monitoring Report

PERMIT NUMBER: NJ0025411
 MONITORED LOCATION: 462B dsn 462B - dsw outfall
 MONITORING PERIOD: 8/1/2000 TO 8/31/2000
 FACILITY NAME: 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 Effluent Gross Value	SAMPLE MEASUREMENT	0.016	0.041	MGD	*****	*****	*****	*****	0	1/Day	Meter
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	1/Day	METER
BOD, 5-Day (20 oC) 00310 1 Effluent Gross Value	SAMPLE MEASUREMENT	0.3	0.3	KG/DAY	*****	*****	*****	*****	0	1/month	Compos
	PERMIT REQUIREMENT	8 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	1/Month	COMPOS
BOD, 5-Day (20 oC) 00310 K Percent Removal	SAMPLE MEASUREMENT	*****	*****	*****	99	*****	*****	PERCENT	0	1/month	CALCTD
	PERMIT REQUIREMENT	*****	*****		87.5 01DAMN	*****	*****		*****	1/Month	CALCTD
Solids, Total Suspended 00530 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	10	10	MG/L	0	1/month	Compos
	PERMIT REQUIREMENT	*****	*****		*****	30 01MOAV	REPORT 01DAMX		*****	1/Month	COMPOS
Solids, Total Suspended 00530 K Percent Removal	SAMPLE MEASUREMENT	*****	*****	*****	96	*****	*****	PERCENT	0	1/month	CALCTD
	PERMIT REQUIREMENT	*****	*****		85 01MOAVMN	*****	*****		*****	1/Month	CALCTD
Oil and Grease Freon Ext-grav Meth 00556 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	<1	<1	MG/L	0	1/month	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	10 01MOAV	15 01DAMX		*****	1/Month	GRAB
Coliform, Fecal General 74055 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	<1	<1	#/100ML	0	1/month	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	200 01MOGE	400 01WKGE		*****	1/Month	GRAB
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17451	77343	*****	06431			*****	0	NOT AP.	NOT AP
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		REPORT Lab #	*****	Not Applic

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".