



LR-E02-0165

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED  
ARTICLE NUMBER: 7099 3400 0003 6394 5031

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

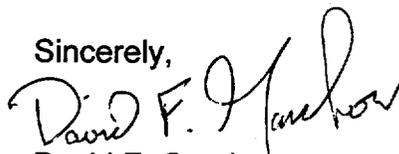
**NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM  
DISCHARGE MONITORING REPORT  
HOPE CREEK GENERATING STATION  
NJPDES PERMIT NJ0025411**

Dear Sir:

Attached is the Discharge Monitoring Report for the Hope Creek Generating Station for the month of March 2002.

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 Jeff Serfass at (856) 339-5411.

Sincerely,  
  
David F. Garchow  
Vice President – Operations

IE25

LR-E02-0165  
NJPDES DMR

**Attachments**

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

## Explanation of Conditions

### **March 2002**

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.

NJPDES DMR

Explanation of Exceedances

March 2002

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

DSN No.

EXPLANATION

**No Exceedances**

COUNTY OF SALEM  
STATE OF NEW JERSEY

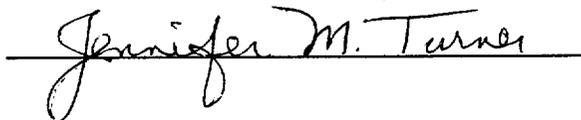
I, David F.Garchow, of full age, being duly sworn according to law, upon my oath depose and say:

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.



David F.Garchow  
Vice President  
Operations

Sworn and subscribed before me  
this 22nd day of April 2002.



JENNIFER M. TURNER  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires July 25, 2005

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: **3/1/2002 - 3/31/2002**

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

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

LOCATION OF ACTIVITY:  
**HOPE CREEK GENERATING STATION**  
**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.)*

**David F. Garchow vice President OPERATIONS**  
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

*David F. Garchow*  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

**856-339-3250**  
AREA CODE / TELEPHONE NUMBER

**04/23/02**  
DATE (MONTH / DAY / YEAR)

# Surface Water Discharge Monitoring Report

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

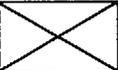
FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

3/1/2002 TO 3/31/2002

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant 50050 1	SAMPLE MEASUREMENT	.007	.019		*****	*****	*****		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	0	0		*****	*****	*****		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	*****	*****		94.8	*****	*****		0	1/month	CALCTD
Percent Removal	PERMIT REQUIREMENT	*****	*****	*****	87.5 01DAMN	*****	*****	PERCENT		1/Month	CALCTD
Solids, Total Suspended 00530 1	SAMPLE MEASUREMENT	*****	*****		*****	2	2		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	*****	*****		99	*****	*****		0	1/month	CALCTD
Percent Removal	PERMIT REQUIREMENT	*****	*****	*****	85 01MOAVMN	*****	*****	PERCENT		1/Month	CALCTD
Oil and Grease 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	*****	*****		*****	21	21		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 "srosenwi@dep.state.nj.us".

New Jersey Department of Environmental Protection  
Division of Water Quality

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MONITORING REPORT TYPE: **Surface Water Discharge**  
MONITORING PERIOD: **3/1/2002 - 3/31/2002**

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

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

LOCATION OF ACTIVITY:  
**HOPE CREEK GENERATING STATION**  
**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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David F. Garchow Vice President Operations  
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

David F. Garchow  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

856-339-3250  
AREA CODE / TELEPHONE NUMBER

04/23/02  
DATE (MONTH// DAY / YEAR)

# Surface Water Discharge Monitoring Report

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW intern:

3/1/2002 TO 3/31/2002

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant 50050 1	SAMPLE MEASUREMENT	1058	1150		*****	*****	*****		0	Continuous	METER
Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	*****	*****	*****	*****		Continuous	METER
Solids, Total Suspended 00530 1	SAMPLE MEASUREMENT	*****	*****		*****	5	5		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	*****	*****		*****	21	21		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	*****	*****		*****	3	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

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New Jersey Department of Environmental Protection  
Division of Water Quality

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MONITORING REPORT TYPE: **Surface Water Discharge**  
MONITORING PERIOD: **3/1/2002 - 3/31/2002**

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

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

LOCATION OF ACTIVITY:  
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03/23/02  
DATE (MONTH / DAY / YEAR)

# Surface Water Discharge Monitoring Report

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

3/1/2002 TO 3/31/2002

HOPE CREEK GENERATING STATION

PARAMETER	X	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	32.496	38.591	MGD	*****	*****	*****	*****	0	CONTINUOUS	METER
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	8.5	*****	8.6	SU	0	1/week	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	6.0 01DAMN	*****				
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				
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	21.8	27.2	DEG.C	0	CONTINUOUS	CK REQ
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV				
Temperature, oC 00010 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	*****	9.4	11.7	DEG.C	0	CONTINUOUS	CK REQ
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV				
Phosphorus, Total (as P) 00665 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	Code=N	Code=N	MG/L	0	Code=N	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	3.4	3.4	MG/L	0	1/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV				
Carbon, Tot Organic (TOC) 00680 2 Effluent Net Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	0	0	MG/L	0	1/MONTH	CALCTD
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV				

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MONITORED LOCATION:

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NJ0025411

461A DSN 461A - dsw

3/1/2002 TO 3/31/2002

HOPE CREEK GENERATING STATION

PARAMETER	X	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Carbon, Tot Organic (TOC) 00680 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****		*****	2.0	2.0		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	248	351		*****	*****	*****		0	1/DAY	CALC
	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

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