



LR-E01-0095

MAR 21 2001

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED  
ARTICLE NUMBER: 7000 0600 0022 5183 4987

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

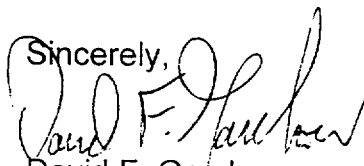
**NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM  
DISCHARGE MONITORING REPORT  
HOPE CREEK GENERATING STATION  
NJPDES PERMIT NJ0025411**

Dear Sir:

Attached is the Discharge Monitoring Report for the Hope Creek Generating Station for the month of ~~January~~ <sup>February</sup> 2001.

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,  
  
David F. Garchow  
Vice President - Operations

IB25

MAR 21 2001

NJPDES DMR

Attachments

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

NJPDES DMR

MAR 21 2001

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  
NJPDES Tech.  
F. Franceschini  
J. Buchanan  
A. Nurk  
Chem File HCH 2001-015  
  
Env Lic File 2.1.6 HC Book

NJPDES DMR

MAR 21 2001

Explanation of Conditions

**February 2001**

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.

MAR 21 2001

NJPDES DMR

Explanation of Exceedances

**February 2001**

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

DSN No.

EXPLANATION

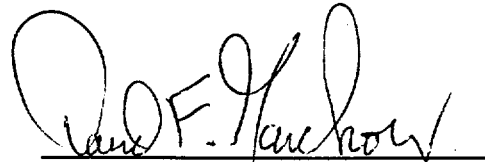
**No Exceedances**

MAR 21 2001

COUNTY OF SALEM  
STATE OF NEW JERSEY

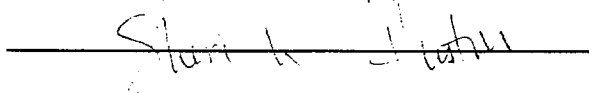
I, David F. Garchow, of full age, being duly sworn according to law, upon my oath depose and say:

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 21 day of March 2001.



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 A  
MONITORING PERIOD: 2/1/2001 - 2/28/2001

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:**

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.)*

David F. GARCHOW Vice President OPERATIONS

NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

856-339-3250

AREA CODE / TELEPHONE NUMBER

David F. GARCHOW

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

3/21/01

DATE (MONTH / DAY / YEAR)

# Surface Water Discharge Monitoring Report

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

2/1/2001 TO 2/28/2001

PSE&G HOPE CREEK GENERATING ST

| 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 | 37.944              | 41.584        |       | *****                    | *****         | *****         |       | 0       | CONT              | METER       |
| Effluent Gross Value                             | PERMIT REQUIREMENT | REPORT 01MOAV       | REPORT 01DAMX | MGD   | *****                    | *****         | *****         | ***** |         | Continuous        | METER       |
| pH 00400 1                                       | SAMPLE MEASUREMENT | *****               | *****         |       | 8.5                      | *****         | 8.7           |       | 0       | 1/week            | GRAB        |
| Effluent Gross Value                             | PERMIT REQUIREMENT | *****               | *****         | ***** | 6.0 01DAMN               | *****         | 9.0 01DAMX    | SU    |         | 1/Week            | GRAB        |
| Chlorine Produced Oxidants *CPOX 1               | SAMPLE MEASUREMENT | *****               | *****         |       | *****                    | <0.1          | <0.1          |       | 0       | 3/week            | GRAB        |
| Effluent Gross Value                             | PERMIT REQUIREMENT | *****               | *****         | ***** | *****                    | 0.2 01MOAV    | 0.5 01DAMX    | MG/L  |         | 3/Week            | GRAB        |
| Temperature, oC 00010 1                          | SAMPLE MEASUREMENT | *****               | *****         |       | *****                    | 19.2          | 23.9          |       | 0       | CONT              | CK REQ      |
| Effluent Gross Value                             | PERMIT REQUIREMENT | *****               | *****         | ***** | *****                    | REPORT 01MOAV | 36.2 01DAMX   | DEG.C |         | Continuous        | CK REQ      |
| Temperature, oC 00010 7                          | SAMPLE MEASUREMENT | *****               | *****         |       | *****                    | 6.1           | 7.1           |       | 0       | CONT              | CK REQ      |
| Intake From Stream                               | PERMIT REQUIREMENT | *****               | *****         | ***** | *****                    | REPORT 01MOAV | REPORT 01DAMX | DEG.C |         | Continuous        | CK REQ      |
| Phosphorus, Total (as P) 00665 1                 | SAMPLE MEASUREMENT | *****               | *****         |       | *****                    | Code = 0      | Code = 0      |       | 0       | Code = 0          | Code = 0    |
| Effluent Gross Value                             | PERMIT REQUIREMENT | *****               | *****         | ***** | *****                    | REPORT 01MOAV | REPORT 01DAMX | MG/L  |         | 1/Month           | GRAB        |
| Carbon, Tot Organic (TOC) 00680 1                | SAMPLE MEASUREMENT | *****               | *****         |       | *****                    | 6.4           | 6.4           |       | 0       | 1/month           | GRAB        |
| Effluent Gross Value                             | PERMIT REQUIREMENT | *****               | *****         | ***** | *****                    | REPORT 01MOAV | REPORT 01DAMX | MG/L  |         | 1/Month           | GRAB        |
| Carbon, Tot Organic (TOC) 00680 2                | SAMPLE MEASUREMENT | *****               | *****         |       | *****                    | 1             | 1             |       | 0       | 1/month           | CALCTD      |
| Effluent Net Value                               | PERMIT REQUIREMENT | *****               | *****         | ***** | *****                    | REPORT 01MOAV | 20 01DAMX     | MG/L  |         | 1/Month           | CALCTD      |

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 "srosenwi@dep.state.nj.us".

# Surface Water Discharge Monitoring Report

PERMIT NUMBER:

NJ0025411

MONITORED LOCATION:

461A DSN 461A - dsw

MONITORING PERIOD:

2/1/2001 TO 2/28/2001

FACILITY NAME:

PSE&G HOPE CREEK GENERATING ST

| PARAMETER  |                    | QUANTITY OR LOADING |              | UNITS | QUALITY OR CONCENTRATION |               |               | UNITS   | NO. EX. | FREQ. OF ANALYSIS | SAMPLE TYPE |
|--|--------------------|---------------------|--------------|-------|--------------------------|---------------|---------------|---------|---------|-------------------|-------------|
| <b>Carbon, Tot Organic (TOC)</b><br>00680 7<br>Intake From Stream    | SAMPLE MEASUREMENT | *****               | *****        |       | *****                    | 3.8           | 3.8           |         | 0       | 1/month           | Grab        |
|  | PERMIT REQUIREMENT | *****               | *****        | ***** | *****                    | REPORT 01MOAV | REPORT 01DAMX | MG/L    |         | 1/Month           | GRAB        |
| <b>Heat (winter)</b><br>(per Hr.)<br>81387 1<br>Effluent Gross Value | SAMPLE MEASUREMENT | *****               | *****        |       | *****                    | 309           | 416           |         | 0       | 1/Day             | CALCTD      |
|  | PERMIT REQUIREMENT | *****               | *****        | ***** | *****                    | REPORT 01MOAV | 662 01DAMX    | MBTU/HR |         | 1/Day             | CALCTD      |
| <b>Lab Certification #</b><br>99999 99<br>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 - Reg'n 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: 2/1/2001 - 2/28/2001

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:  
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.)

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

3/21/01  
DATE (MONTH / DAY / YEAR)

# Surface Water Discharge Monitoring Report

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW intern

2/1/2001 TO 2/28/2001

PSE&G HOPE CREEK GENERATING ST

| PARAMETER  |                    | QUANTITY OR LOADING |               | UNITS | QUALITY OR CONCENTRATION |               |              | UNITS | NO. EX. | FREQ. OF ANALYSIS | SAMPLE TYPE |
|--|--------------------|---------------------|---------------|-------|--------------------------|---------------|--------------|-------|---------|-------------------|-------------|
| <b>Flow, In Conduit or Thru Treatment Plant</b><br>50050 1<br>Effluent Gross Value | SAMPLE MEASUREMENT | 0.052               | 0.130         | MGD   | *****                    | *****         | *****        | ***** | 0       | Cont.             | METER       |
|  | PERMIT REQUIREMENT | REPORT 01MOAV       | REPORT 01DAMX |       | *****                    | *****         | *****        |       |         | Continuous        | METER       |
| <b>Solids, Total Suspended</b><br>00530 1<br>Effluent Gross Value                  | SAMPLE MEASUREMENT | *****               | *****         | ***** | *****                    | 4             | 4            | MG/L  | 0       | 1/month           | COMPOS      |
|  | PERMIT REQUIREMENT | *****               | *****         |       | *****                    | 30 01MOAV     | 100 01DAMX   |       |         | 1/Month           | COMPOS      |
| <b>Petrol Hydrocarbons, Total Recoverable</b><br>45501 1<br>Effluent Gross Value   | SAMPLE MEASUREMENT | *****               | *****         | ***** | *****                    | 21            | 21           | MG/L  | 0       | 2/month           | GRAB        |
|  | PERMIT REQUIREMENT | *****               | *****         |       | *****                    | 10 01MOAV     | 15 01DAMX    |       |         | 2/Month           | GRAB        |
| <b>Carbon, Tot Organic (TOC)</b><br>00680 1<br>Effluent Gross Value                | SAMPLE MEASUREMENT | *****               | *****         | ***** | *****                    | 7             | 7            | MG/L  | 0       | 1/month           | COMPOS      |
|  | PERMIT REQUIREMENT | *****               | *****         |       | *****                    | REPORT 01MOAV | 50 01DAMX    |       |         | 1/Month           | COMPOS      |
| <b>Lab Certification #</b><br>99999 99<br>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 - 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 N  
MONITORING PERIOD: 2/1/2001 - 2/28/2001

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:

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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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

3/21/01  
DATE (MONTH / DAY / YEAR)

# Surface Water Discharge Monitoring Report

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

2/1/2001 TO 2/28/2001

PSE&G HOPE CREEK GENERATING ST

| 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 | 1010                | 1022          | MGD    | *****                    | *****        | *****        | *****   | 0             | 1/Day             | METER       |
| Effluent Gross Value                             | PERMIT REQUIREMENT | REPORT 01MOAV       | REPORT 01DAMX |        | *****                    | *****        | *****        |         | *****         |                   | 1/Day       |
| BOD, 5-Day (20 oC) 00310 1                       | SAMPLE MEASUREMENT | 0                   | 0             | KG/DAY | *****                    | *****        | *****        | *****   | 0             | 1/Month           | COMPOS      |
| Effluent Gross Value                             | PERMIT REQUIREMENT | 8 01MOAV            | REPORT 01DAMX |        | *****                    | *****        | *****        |         | *****         |                   | 1/Month     |
| BOD, 5-Day (20 oC) 00310 K                       | SAMPLE MEASUREMENT | *****               | *****         | *****  | 99.2                     | *****        | *****        | PERCENT | 0             | 1/Month           | CALCTD      |
| Percent Removal                                  | PERMIT REQUIREMENT | *****               | *****         |        | 87.5 01DAMN              | *****        | *****        |         | *****         |                   | 1/Month     |
| Solids, Total Suspended 00530 1                  | SAMPLE MEASUREMENT | *****               | *****         | *****  | *****                    | 7            | 7            | MG/L    | 0             | 1/Month           | COMPOS      |
| Effluent Gross Value                             | PERMIT REQUIREMENT | *****               | *****         |        | *****                    | *****        | 30 01MOAV    |         | REPORT 01DAMX | *****             | 1/Month     |
| Solids, Total Suspended 00530 K                  | SAMPLE MEASUREMENT | *****               | *****         | *****  | 98                       | *****        | *****        | PERCENT | 0             | 1/Month           | CALCTD      |
| Percent Removal                                  | PERMIT REQUIREMENT | *****               | *****         |        | *****                    | 85 01MOAVMN  | *****        |         | *****         | *****             | 1/Month     |
| Oil and Grease Freon Ext-grav Meth 00556 1       | SAMPLE MEASUREMENT | *****               | *****         | *****  | *****                    | 3            | 3            | MG/L    | 0             | 1/Month           | GRAB        |
| Effluent Gross Value                             | PERMIT REQUIREMENT | *****               | *****         |        | *****                    | *****        | 10 01MOAV    |         | 15 01DAMX     | *****             | 1/Month     |
| Coliform, Fecal General 74055 1                  | SAMPLE MEASUREMENT | *****               | *****         | *****  | *****                    | 21           | 21           | #/100ML | 0             | 1/Month           | GRAB        |
| Effluent Gross Value                             | PERMIT REQUIREMENT | *****               | *****         |        | *****                    | *****        | 200 01MOGE   |         | 400 01WKGE    | *****             | 1/Month     |
| Lab Certification # 99999 99                     | SAMPLE MEASUREMENT | 17451               | 77343         | *****  | 06431                    |              |              | *****   |               |                   |             |
| Lab  | PERMIT REQUIREMENT | REPORT Lab #        | REPORT Lab #  |        | *****                    | REPORT Lab # | REPORT Lab # |         | REPORT Lab #  | *****             | Not Applic  |

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