



Public Service Electric and Gas Company P O Box 236 Hancocks Bridge New Jersey 08038

Hope Creek Generating Station

April 19, 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 March 1991.

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

9104300345 910331
PDR ADOCK 05000354
R PDR

1325
11

NJPDES

2

4/19/91

Q CW:ej
Attachments

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

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

MONITORING REPORT - TRANSMITTAL SHEET

NPDES NO.

REPORTING PERIOD

MO. YR.

MO. YR.

010121514111

03/91 THRU 03/91

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 609 339-3461

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 type="checkbox"/> |

(Check any "Yes" on reverse side in appropriate space.)

NOTE: The "Hours Attended or Plans" 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) Clark E. Pierce

Grade & Registration N1124

Signature [Signature]

Date 4/19/91

**PRINCIPAL EXECUTIVE OFFICER or
DULY AUTHORIZED REPRESENTATIVE**

Name (Printed) Joseph Hagan

General Manager

Title (Printed) Hope Creek Operations

Signature [Signature]

Date 4/19/91

OPERATING EXCEPTIONS DETAILED

On March 4, 1991 simultaneous pump failures in a sewage plant lift station resulted in a 300 gallon overflow which entered a facility yard drain or DSN 463A. This overflow was reported as a bypass and was assigned case #91-3-4-1148-36. After further review it was determined that the requirements for claiming a permitted bypass pursuant to NJAC 7:14A were not met.

HOURS ATTENDED AT PLANT

Month 03

Year 91

| Day of Month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Licensed Operator | 8 | 7 | - | 8 | - | 9 | 10 | 9 | - | - | 8 | 4 | 8 | 8 | - | - |
| Others | 10 | 3 | 3 | 10 | 10 | 10 | 10 | 10 | 3 | 3 | 10 | 10 | 10 | 10 | 10 | 3 |
| Day of Month | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| Licensed Operator | - | - | 8 | 8 | 8 | - | - | - | 8 | 8 | 8 | 8 | - | - | - | |
| Others | 3 | 10 | 10 | 10 | 10 | 10 | 3 | 3 | 10 | 10 | 10 | 10 | 3 | 3 | 3 | |

MONITORING REPORT - TRANSMITTAL SHEET

NPDES NO.

REPORTING PERIOD

MO. YR.

MO. YR.

001251411101391 THRU 103191PERMITTEE:Name Public Service Electric & Gas CompanyAddress P.O. Box 236
Hancocks Bridge, NJ 08038FACILITY:Name Hope Creek Generating StationAddress P.O. Box 236
Hancocks Bridge, NJ County SalemTelephone (609) 339-5098FORMS ATTACHED (Indicate Quantity of Each)SLUDGE REPORTS - SANITARY☐ T-VWX-007 ☐ T-VWX-008 ☐ T-VWX-009SLUDGE REPORTS - INDUSTRIAL☐ T-VWX-010A ☐ T-VWX-010BWASTEWATER REPORTS☐ T-VWX-011 ☐ T-VWX-012 ☐ T-VWX-013GROUNDWATER REPORTS☐ VWX-015(A,B) ☐ VWX-016 ☐ VWX-017NPDES DISCHARGE MONITORING REPORT☒ EPA FORM 333-1OPERATING 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 checked="" type="checkbox"/> | <input 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 OPERATORName (Printed) Andres NurkGrade & Registry No. S-4 (4542)Signature Andres NurkDate 4/4/91PRINCIPAL EXECUTIVE OFFICER or
DULY AUTHORIZED REPRESENTATIVEName (Printed) Joseph HaganTitle (Printed) General Manager
Hope Creek OperationsSignature Joseph HaganDate 4/19/91

OPERATING EXCEPTIONS DETAILED

3/6/91 Power outage from 15:30-16:15, all
electrical equipment off, restarted when power restored

3/12/91 Power outage from 16:30-16:45, all
electrical equipment off, restarted when power restored

HOURS ATTENDED AT PLANT

Month 013

Year 911

| Day of Month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Licensed Operator | 8 | | | 8 | 8 | 8 | 8 | 8 | | | 8 | 8 | 8 | 8 | 8 | |
| Others | | 8 | 8 | | | | | | 8 | 8 | | | | | | 8 |
| Day of Month | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| Licensed Operator | | 8 | 8 | 8 | 8 | 8 | | | 8 | 8 | 8 | 8 | | | | |
| Others | 8 | | | | | | 8 | 8 | | | | | 8 | 8 | 8 | |

NJPDES
Explanation of conditions
March 1991

4/19/91

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.

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
March 1991

4/19/91

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

PERMITTEE NAME/ADDRESS (Include
Facility Name/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) **NJ0025412**
PERMIT NUMBER
(17-19) **461A**
DISCHARGE NUMBER

FACILITY **PSE&G HOPE CREEK GENERATING ST**
LOCATION **LOWER ALLOWAYS CREE, NJ 08038**
DMR NUMBER: **91030928**

MONITORING PERIOD
FROM YEAR **91** MO **03** DAY **01** TO YEAR **91** MO **03** DAY **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.

| PARAMETER (32-37) | | (3 Card Only) QUANTITY OR LOADING (46-53) | | | (4 Card Only) QUALITY OR CONCENTRATION (38-45) | | | UNITS (54-61) | NO. EX (62-69) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|---|-----------------------|--|---------|-------|---|--------------------|----------------------|------------------|----------------------|--|---------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | | |
| TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 1 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 19.16308 | 28.00000 | | 0 | cont | |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | 35.60000 DAILY MX | DEG-C | | CONTIN UOUS | |
| TEMPERATURE, WATER DEG. CENTIGRADE 00010 7 1 INTAKE FROM STREAM | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 7.70430 | 10.44444 | | - | cont | |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | REPORT DAILY RX | DEG-C | | CONTIN UOUS | |
| PH | SAMPLE MEASUREMENT | ***** | ***** | | 8.20000 | ***** | 8.60000 | | 0 | 2/wk | grab |
| 00400 1 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | **** | 6.00000 MINIMUM | ***** | 9.00000 MAXIMUM | SU | | TWICE/GRAB WEEK | |
| SOLIDS, TOTAL SUSPENDED 00530 1 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 109.25000 | 123.50000 | | - | 2/mth | grab |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | REPORT DAILY MX | MG/L | | TWICE/GRAB MONTH | |
| SOLIDS, TOTAL SUSPENDED 00530 2 0 EFFLUENT NET VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 51.00000 | 59.00000 | | - | 2/mth | calc |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | REPORT DAILY MX | MG/L | | TWICE/CALCD MONTH | |
| SOLIDS, TOTAL SUSPENDED 00530 7 0 INTAKE FROM STREAM | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 58.25000 | 80.50000 | | - | 2/mth | grab |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | REPORT DAILY MX | MG/L | | TWICE/GRAB MONTH | |
| HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT 00551 1 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 0.40000 | 0.50000 | | - | 2/mth | grab |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | REPORT DAILY MX | MG/L | | TWICE/GRAB MONTH | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. 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 SIG-
NIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING
THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND
33 USC § 1319. (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
AREA
CODE

339-3463
NUMBER

91 04 19
YEAR MO DAY

SAMPLING FOR CO, ZN, & CR 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 **PSE&G**
ADDRESS **P.O. BOX 236/N21**
HANCOCKS BRIDGE, NJ 08038

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

NJ0025411
PERMIT NUMBER

461A
DISCHARGE NUMBER

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

| MONITORING PERIOD | | | | | | |
|-------------------|---------|---------|----|---------|---------|---------|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| 91 | 03 | 01 | | 91 | 03 | 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: **91030928**

| PARAMETER (32-37) | | QUANTITY OR LOADING (46-51) | | | 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 | | | |
| HYDROCARBONS, IN H ₂ O, IR, CC14 EXT. CHROMAT 00551 2 0 EFFLUENT NET VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | -0.04250 | -0.03500 | | 0 | 2/mth | calc |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30RA AVG | REPORT DAILY RX | MG/L | | THICE/GRAB MONTH | |
| HYDROCARBONS, IN H ₂ O, IR, CC14 EXT. CHROMAT 00551 7 0 INTAKE FROM STREAM | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 0.44250 | 0.53500 | | - | 2/mth | grab |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30RA AVG | REPORT DAILY RX | MG/L | | THICE/GRAB MONTH | |
| PHOSPHORUS, TOTAL (AS P) 00665 1 1 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 0.26000 | 0.28000 | | - | 2/mth | grab |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30RA AVG | REPORT DAILY RX | MG/L | | THICE/GRAB MONTH | |
| PHOSPHORUS, TOTAL (AS P) 00665 2 1 EFFLUENT NET VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 0.09750 | 0.12000 | * | - | 2/mth | calc |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30RA AVG | REPORT DAILY RX | MG/L | | THICE/GRAB MONTH | |
| PHOSPHORUS, TOTAL (AS P) 00665 7 1 INTAKE FROM STREAM | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 0.16250 | 0.20500 | | - | 2/mth | grab |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30RA AVG | REPORT DAILY RX | MG/L | | THICE/GRAB MONTH | |
| CARBON, TOT ORGANIC (TOC) 00680 1 1 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 4.75000 | 5.50000 | | - | 2/mth | grab |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30RA AVG | REPORT DAILY RX | MG/L | | THICE/GRAB MONTH | |
| CARBON, TOT ORGANIC (TOC) 00680 2 1 EFFLUENT NET VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 1.50000 | 1.50000 | * | 0 | 2/mth | calc |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30RA AVG | REPORT DAILY RX | MG/L | | THICE/GRAB MONTH | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. 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 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 SIG-
NIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING
THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND
18 USC § 1333. Penalties under these statutes may include fines up to \$10,000
and/or maximum imprisonment of between 5 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE

609 339-3463 91 04 19
AREA CODE NUMBER YEAR MO DAY

SAMPLING FOR CO, ZN, & CR IS REQUIRED ONLY IF MAINTENANCE CHEMICALS CONTAINING THESE METALS ARE USED. IF

NOT USED, ENTER "NODIN" FOR THESE METALS.

* Effluent Net Value Calculated From Grab Samples.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME PSE&G
ADDRESS P.O. BOX 236/W21
HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(17-19)
NJ0025411
PERMIT NUMBER
461A
DISCHARGE NUMBER

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

MONITORING PERIOD
YEAR MO DAY
91 03 01
FROM 10/21/ (23-23) (24-25)
TO 91 03 31
(26-27) (28-29) (30-31)

FACILITY PSE&G HOPE CREEK GENERATING ST
LOCATION LOWER ALLOWAYS CREEK, NJ 08038
DMR NUMBER: 91030928

| PARAMETER (12-37) | QUANTITY OR LOADING (46-51) | | QUANTITY OR CONCENTRATION (54-61) | | NO. OF ANALYSES (62-69) | FREQUENCY OF ANALYSES (64-68) | SAMPLE TYPE (69-70) | |
|--------------------------------|--------------------------------|--------------------|--------------------------------------|--------------------|----------------------------|----------------------------------|------------------------|--------------------|
| | AVERAGE (46-51) | MAXIMUM (46-51) | MINIMUM (46-51) | AVERAGE (54-61) | | | | MAXIMUM (54-61) |
| CARBON, TOT ORGANIC (TOC) | 000000 | 000000 | 000000 | 000000 | 3.25000 | 4.00000 | 2/mth | grab |
| 00680 7 I INTAKE FROM STREAM | 000000 | 000000 | 000000 | 000000 | REPORT 30DA AVG | REPORT DAILY RA | MG/L | GRAB |
| CHROMIUM, TOTAL (AS CR) | 000000 | 000000 | 000000 | 000000 | NODI | NODI | MG/L | GRAB |
| D1034 1 0 EFFLUENT GROSS VALUE | 000000 | 000000 | 000000 | 000000 | REPORT 30DA AVG | REPORT DAILY RA | MG/L | GRAB |
| CHROMIUM, TOTAL (AS CR) | 000000 | 000000 | 000000 | 000000 | NODI | NODI | MG/L | GRAB |
| D1034 2 0 EFFLUENT NET VALUE | 000000 | 000000 | 000000 | 000000 | REPORT 30DA AVG | REPORT DAILY RA | MG/L | GRAB |
| CHROMIUM, TOTAL (AS CR) | 000000 | 000000 | 000000 | 000000 | NODI | NODI | MG/L | GRAB |
| D1034 7 0 INTAKE FROM STREAM | 000000 | 000000 | 000000 | 000000 | REPORT 30DA AVG | REPORT DAILY RA | MG/L | GRAB |
| COPPER, TOTAL (AS CU) | 000000 | 000000 | 000000 | 000000 | NODI | NODI | MG/L | GRAB |
| D1042 1 0 EFFLUENT GROSS VALUE | 000000 | 000000 | 000000 | 000000 | REPORT 30DA AVG | REPORT DAILY RA | MG/L | GRAB |
| COPPER, TOTAL (AS CU) | 000000 | 000000 | 000000 | 000000 | NODI | NODI | MG/L | GRAB |
| D1042 2 0 EFFLUENT NET VALUE | 000000 | 000000 | 000000 | 000000 | REPORT 30DA AVG | REPORT DAILY RA | MG/L | GRAB |
| COPPER, TOTAL (AS CU) | 000000 | 000000 | 000000 | 000000 | NODI | NODI | MG/L | GRAB |
| D1042 7 0 INTAKE FROM STREAM | 000000 | 000000 | 000000 | 000000 | REPORT 30DA AVG | REPORT DAILY RA | MG/L | GRAB |

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

TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER
(Signature)
OFFICE OF AUTHORIZED AGENT

TELEPHONE
(Area Code) (Number)
339-3463

DATE
YEAR MO DAY
91 04 19

SAMPLING FREQUENCY: 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 **PSE&G**
ADDRESS **P.O. BOX 236/M21**
HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NJ0025411

PERMIT NUMBER

461A

DISCHARGE NUMBER

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

MONITORING PERIOD

FROM YEAR **91** MO **03** DAY **01** TO YEAR **91** MO **03** DAY **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: **91030920**

| PARAMETER (32-37) | | (3 Card Only) QUANTITY OR LOADING (46-53) | | | (4 Card Only) QUALITY OR CONCENTRATION (54-61) | | | NO. EX (62-64) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|---|--------------------|---|--------------------|-------|--|--------------------|--------------------|----------------------|--|---------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | |
| ZINC, TOTAL (AS ZN) 01092 1 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | NODI | NODI | - | - | - |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | REPORT DAILY MX | MG/L | TWICE/GRAB | MONTH |
| ZINC, TOTAL (AS ZN) 01092 2 0 EFFLUENT NET VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | NODI | NODI | - | - | - |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | REPORT DAILY MX | MG/L | TWICE/CALCTD | MONTH |
| ZINC, TOTAL (AS ZN) 01092 7 0 INTAKE FROM STREAM | SAMPLE MEASUREMENT | ***** | ***** | | ***** | NODI | NODI | - | - | - |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | REPORT DAILY MX | MG/L | TWICE/GRAB | MONTH |
| ASBESTOS (FIBROUS) 34225 1 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 0.00003 | 0.00004 | - | 2/mth | grab |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | REPORT DAILY MX | UG/L | TWICE/GRAB | MONTH |
| ASBESTOS (FIBROUS) 34225 2 0 EFFLUENT NET VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 0.00000 | 0.00000 | - | 2/mth | calc |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | REPORT DAILY MX | UG/L | TWICE/CALCTD | MONTH |
| ASBESTOS (FIBROUS) 34225 7 0 INTAKE FROM STREAM | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 0.00003 | 0.00004 | - | 2/mth | grab |
| | PERMIT REQUIREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | REPORT DAILY MX | UG/L | TWICE/GRAB | MONTH |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | 31.28077 | 43.89538 | | ***** | ***** | ***** | - | cont | |
| 50050 1 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | REPORT 30DA AVG | REPORT DAILY MX | MGD | ***** | ***** | ***** | *** | CONTIN | UOUS |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. 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 SIG-
NIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING
THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND
33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000
and/or 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 04 19
YEAR MO DAY

FOR THE PURPOSE OF EXPLANATION OF ANY VIOLATION (Reference to any specific laws)
SAMPLING FOR CO, ZN, & CR 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 **PSE&G**
 ADDRESS **P.O. BOX 236/M21**
HAMCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) **NJ0025411** (17-19) **461A**
 PERMIT NUMBER DISCHARGE NUMBER

FACILITY **PSE&G HOPE CREEK GENERATING ST**
 LOCATION **LOWER ALLOWAYS CREE, NJ 08038**
 DMR NUMBER: **91030928**

COOLING TOWER BLOWDOWN
 MAJOR **SALEM**
 SOUTHERN REGION

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | | (3 Card Only) QUANTITY OR LOADING (46-53) | | | (4 Card Only) QUALITY OR CONCENTRATION (58-65) | | | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-65) | SAMPLE TYPE (69-70) |
|--|--------------------|--|-----------------------|-------------|---|-------------------|-------------------|-------------------|----------------------------------|------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | |
| CHLORINE, TOTAL RESIDUAL 50060 1 0 EFFLUENT GROSS VALUE HEAT (WINTER) (PER HOUR) 81387 2 0 EFFLUENT NET VALUE | SAMPLE MEASUREMENT | ***** | ***** | | <0.05000 | <0.05000 | <0.05000 | 0 | cont | |
| | PERMIT MEASUREMENT | ***** | ***** | **** | REPORT | 20000 30DA AVG | 50000 DAILY MX | MG/L | | CONTINUOUS |
| | SAMPLE MEASUREMENT | 219.50645 | 305.90000 | | ***** | ***** | ***** | 0 | cont | calc |
| | PERMIT MEASUREMENT | REPORT | 330.00000 DAILY MX | MBTU/ HR | ***** | ***** | ***** | *** | | CONTINUOUS |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT MEASUREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT MEASUREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT MEASUREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT MEASUREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT MEASUREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | |
| | PERMIT MEASUREMENT | | | | | | | | | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. 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 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 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 04 19
 AREA CODE NUMBER YEAR MO DAY

SAMPLING FOR CO, 2N, & CR 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 **PSE&G**
ADDRESS **P.O. BOX 236/M21**
HANCOCKS BRIDGE, NJ 08038

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

WJ0025411

PERMIT NUMBER

461C

DISCHARGE NUMBER

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

DMR NUMBER: **91030928**

MONITORING PERIOD

FROM YEAR **91** MO **03** DAY **01** TO YEAR **91** MO **03** DAY **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.

| PARAMETER (32-37) | | (3 Card Only) QUANTITY OR LOADING (46-53) | | | (4 Card Only) QUALITY OR CONCENTRATION (46-53) | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|--|-----------------------|---|---------|-------|--|----------------------|-----------------------|-----------|-----------------------------|----------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | |
| TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 1 EFFLUENT GROSS VALUE PH | SAMPLE MEASUREMENT | ***** | ***** | ***** | ***** | 20.75000 | 23.00000 | - | 1/wk | grab |
| | PERMIT MEASUREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | REPORT DAILY LX | DEG-C | WEEKLY | GRAB |
| 00400 1 0 EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED 00530 1 0 EFFLUENT GROSS VALUE HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMA 00551 1 0 EFFLUENT GROSS VALUE NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 EFFLUENT GROSS VALUE CARBON, TOT ORGANIC (YOC) 00680 1 1 EFFLUENT GROSS VALUE COPPER, TOTAL (AS CU) 01042 1 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | ***** | 7.80000 | ***** | 8.00000 | 0 | 1/wk | grab |
| | PERMIT MEASUREMENT | ***** | ***** | **** | 6.00000 MINIMUM | ***** | 9.00000 MAXIMUM | SU | WEEKLY | GRAB |
| | SAMPLE MEASUREMENT | ***** | ***** | ***** | ***** | 2.45000 | 3.20000 | 0 | 2/mth | comp |
| | PERMIT MEASUREMENT | ***** | ***** | **** | ***** | 30.00000 30DA AVG | 100.00000 DAILY MX | MG/L | TWICE/COMPOS MONTH | |
| | SAMPLE MEASUREMENT | ***** | ***** | ***** | ***** | 2.25750 | 4.05000 | 0 | 2/mth | grab |
| | PERMIT MEASUREMENT | ***** | ***** | **** | ***** | 10.00000 30DA AVG | 15.00000 DAILY MX | MG/L | TWICE/GRAB MONTH | |
| | SAMPLE MEASUREMENT | ***** | ***** | ***** | ***** | 0.13250 | 0.13500 | 0 | 2/mth | comp |
| | PERMIT MEASUREMENT | ***** | ***** | **** | ***** | 35.00000 30DA AVG | REPORT DAILY MX | MG/L | TWICE/COMPOS MONTH | |
| | SAMPLE MEASUREMENT | ***** | ***** | ***** | ***** | 3.00000 | 3.00000 | * | 2/mth | comp |
| | PERMIT MEASUREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | 50.00000 DAILY MX | MG/L | TWICE/GRAB MONTH | |
| | SAMPLE MEASUREMENT | ***** | ***** | ***** | ***** | 0.01500 | 0.01500 | 0 | 2/mth | grab |
| | PERMIT MEASUREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | 20000 DAILY MX | MG/L | TWICE/GRAB MONTH | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. Hagan
General Manager
Hope Creek Operations
TYPE D 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 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or 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 04 19
YEAR MO DAY

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

* Permit requires composite samples.

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 SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NJ0025411

PERMIT NUMBER

461C

DISCHARGE NUMBER

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

DMR NUMBER: **91030928**

MONITORING PERIOD

FROM YEAR **91** MO **03** DAY **01** TO YEAR **91** MO **03** DAY **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.

| PARAMETER (32-37) | | (1 Card Only) QUANTITY OR LOADING (46-53) | | | (4 Card Only) QUALITY OR CONCENTRATION (38-45) | | | UNITS | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|---|--------------------|--|---------|-------|---|--------------------|--------------------|-------|-------------------|-------------------------------------|---------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | | |
| IRON, TOTAL (AS FE) | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 0.37500 | 0.50000 | | - | 2/mth | grab |
| D1045 1 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | MG/L | ***** | REPORT 30DA AVG | REPORT DAILY MX | MG/L | | TWICE/MONTH | |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | 0.09124 | 0.17427 | | ***** | ***** | ***** | | 0 | cont. | |
| 50050 1 0 EFFLUENT GROSS VALUE | PERMIT REQUIREMENT | ***** | ***** | MGD | ***** | ***** | ***** | ***** | | CONTINUOUS | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

J. 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 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 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 04 19
AREA CODE NUMBER YEAR MO DAY

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

NAME **PSE&G**ADDRESS **P.O. BOX 236/M21****HANCOCKS BRIDGE, NJ 08038**

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NJ0025411

PERMIT NUMBER

462A

DISCHARGE NUMBER

FACILITY **PSE&G HOPE CREEK GENERATING ST**LOCATION **LOWER ALLOWAYS CREE, NJ 08038**DMR NUMBER: **91030928**

MONITORING PERIOD

| FROM | YEAR | MO | DAY | TO | YEAR | MO | DAY |
|------|-----------|-----------|-----------|----|-----------|-----------|-----------|
| | 91 | 03 | 01 | | 91 | 03 | 31 |
| | (20-21) | (22-23) | (24-25) | | (26-27) | (28-29) | (30-31) |

NORTH STORM DRAIN

MAJOR

SALEM

SOUTHERN REGION

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | | (1 Card Only) QUANTITY OR LOADING (46-53) | | | (4 Card Only) QUALITY OR CONCENTRATION (58-65) | | | UNITS | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-65) | SAMPLE TYPE (66-70) |
|---|--------------------|---|---------|-------|--|----------------------|-----------------------|-------|----------------------|--|---------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | | |
| PH | SAMPLE MEASUREMENT | ***** | ***** | | 7.90000 | ***** | 7.90000 | | 0 | 1/mth | grab |
| 00400 1 0 EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED | SAMPLE MEASUREMENT | ***** | ***** | **** | 6.00000 MINIMUM | ***** | 9.00000 MAXIMUM | SU | | ONCE/ MONTH | GRAB |
| 00530 1 0 EFFLUENT GROSS VALUE HYDROCARBONS, IN H2O, IR, CC14 EXT. CHROMAT | SAMPLE MEASUREMENT | ***** | ***** | **** | ***** | 6.50000 | 6.50000 | | 0 | 1/mth | grab |
| 00531 1 0 EFFLUENT GROSS VALUE CARBON, TOT ORGANIC (TOC) | SAMPLE MEASUREMENT | ***** | ***** | **** | ***** | 30.00000 30DA AVG | 100.00000 DAILY MX | MG/L | | ONCE/ MONTH | GRAB |
| 00680 1 1 EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | ***** | ***** | **** | ***** | 0.44500 | 0.57500 | | 0 | 1/mth | grab-3 |
| 50050 1 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | 15.00000 DAILY MX | MG/L | | ONCE/ MONTH | GRAB-3 |
| | SAMPLE MEASUREMENT | ***** | ***** | **** | ***** | 5.40000 | 5.40000 | | 0 | 1/mth | grab |
| | SAMPLE MEASUREMENT | ***** | ***** | **** | ***** | REPORT 30DA AVG | 50.00000 DAILY MX | MG/L | | ONCE/ MONTH | GRAB |
| | SAMPLE MEASUREMENT | 0.21315 | 0.21315 | | ***** | ***** | ***** | | - | 1/mth | |
| | SAMPLE MEASUREMENT | ***** | ***** | MGD | ***** | ***** | ***** | **** | | ONCE/ MONTH | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

J. 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 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 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

609
AREA
CODE339-3463
NUMBER91
YEAR04
MO19
DAY

COMMENTS AND EXPLANATION OF ANY VARIATIONS (Reference all to events, hrs.)

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.

PERMITTEE NAME/ADDRESS (Include Facility Name/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

462B

DISCHARGE NUMBER

FACILITY **PSE&G HOPE CREEK GENERATING ST**

LOCATION **LOWER ALLOWAYS CREE, NJ 08038**

DMR NUMBER: **91030928**

MONITORING PERIOD

FROM YEAR **91** MO **03** DAY **01** TO YEAR **91** MO **03** DAY **31**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

SEWAGE M.W.
MAJOR
SOUTHERN REGION

SALEM

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | | (3 Card Only) QUANTITY OR LOADING (46-53) | | | (4 Card Only) QUALITY OR CONCENTRATION (58-65) | | | NO. EX | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|---|--------------------|---|-----------|------------|--|----------------------|-----------------------|-----------|--|---------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | |
| BOD, 5-DAY (20 DEG. C) | SAMPLE MEASUREMENT | 68.17765 | 102.39194 | | ***** | 777.00000 | 777.00000 | - | 1/mo | grab |
| 00310 6 0 RAM SEM/INFLUENT | REPORT 30DA AVG | REPORT DAILY MX | | KG/ DAY | ***** | REPORT 30DA AVG | REPORT DAILY MX | | ONCE/ MONTH | GRAB |
| BOD, 5-DAY (20 DEG. C) | SAMPLE MEASUREMENT | 2.72009 | 4.08514 | | ***** | 31.00000 | 31.00000 | 0 | 1/mo | grab |
| 00310 1 0 EFFLUENT GROSS VALUE | REPORT 30DA AVG | REPORT DAILY MX | | KG/ DAY | ***** | REPORT 30DA AVG | REPORT DAILY MX | | ONCE/ MONTH | GRAB |
| PH | SAMPLE MEASUREMENT | ***** | ***** | | 6.62000 | ***** | 7.77000 | 0 | 2/vk | grab |
| 00400 1 0 EFFLUENT GROSS VALUE | REPORT 30DA AVG | REPORT DAILY MX | | ***** | 6.00000 MINIMUM | ***** | 9.00000 MAXIMUM | | TWICE/ WEEK | GRAB |
| SOLIDS, TOTAL SUSPENDED | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 850.00000 | 850.00000 | - | 1/mo | comp |
| 00530 6 0 RAM SEM/INFLUENT | REPORT 30DA AVG | REPORT DAILY MX | | ***** | ***** | REPORT 30DA AVG | REPORT DAILY MX | | ONCE/ MONTH | COMPOS |
| SOLIDS, TOTAL SUSPENDED | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 12.00000 | 12.00000 | 0 | 1/mo | comp |
| 00530 1 0 EFFLUENT GROSS VALUE | REPORT 30DA AVG | REPORT DAILY MX | | ***** | ***** | 30.00000 30DA AVG | 100.00000 DAILY MX | | ONCE/ MONTH | COMPOS |
| OIL AND GREASE FROM EXTR-GRAV METH | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 1.70000 | 1.70000 | 0 | 1/mo | grab |
| 00556 1 0 EFFLUENT GROSS VALUE | REPORT 30DA AVG | REPORT DAILY MX | | ***** | ***** | 10.00000 30DA AVG | 15.00000 DAILY MX | | ONCE/ MONTH | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | 0.02318 | 0.03482 | | ***** | ***** | ***** | - | Daily | Flo Ind |
| 50050 1 0 EFFLUENT GROSS VALUE | REPORT 30DA AVG | REPORT DAILY MX | | MGD | ***** | ***** | ***** | ***** | DAILY | FLOIND |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. 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 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

609 339-3463
AREA CODE NUMBER

91 04 19
YEAR MO DAY

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

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

NAME **PSE&G**
ADDRESS **P.O. BOX 236/M21**
HAMCOCKS BRIDGE, NJ 08038

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

NJ0025411

PERMIT NUMBER

462B

DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR **91** MO **03** DAY **01** TO YEAR **91** MO **03** DAY **31**
(20-21) (22-24) (24-25) (26-27) (28-29) (30-31)

SEWAGE M.W.

MAJOR

SALES

SOUTHERN REGION

NOTE: Read instructions before completing this form.

DMR NUMBER: **91030926**

| PARAMETER (32-37) | | (1 Card Only) QUANTITY OR LOADING (46-51) | | | (4 Card Only) QUALITY OR CONCENTRATION (54-61) | | | UNITS | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|---|--------------------|---|--------------------|------------------|--|-----------------------|----------------------|-------------|-------------------|----------------------------------|------------------------|
| | | AVERAGE (46-51) | MAXIMUM (52-53) | UNITS (54-55) | MINIMUM (56-57) | AVERAGE (58-59) | MAXIMUM (60-61) | | | | |
| COLIFORM, FECAL GENERAL 74055 1 0 | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 78.00000 | 78.00000 | | 0 | 1/mo | grab |
| | PERMIT MEASUREMENT | ***** | ***** | **** | ***** | 200.00000 30DA GED | 400.00000 7DA GED | #/100 ML | | ONCE/ MONTH | GRAB |
| EFFLUENT GROSS VALUE BOD, 5-DAY PERCENT REMOVAL 81010 K 0 | SAMPLE MEASUREMENT | ***** | ***** | | 96.01030 | ***** | ***** | | 0 | 1/mo | cal |
| | PERMIT MEASUREMENT | ***** | ***** | **** | 87.50000 MONTH RM | ***** | ***** | PERCE NT | | ONCE/ MONTH | CALCTD |
| PERCENTREMOVAL SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 | SAMPLE MEASUREMENT | ***** | ***** | | 98.58824 | ***** | ***** | | 0 | 1/mo | cal |
| | PERMIT MEASUREMENT | ***** | ***** | **** | 85.00000 MONTH RM | ***** | ***** | PERCE NT | | ONCE/ MONTH | CALCTD |
| PERCENTREMOVAL OXYGEN DEMAND FIRST STAGE 82210 1 0 | SAMPLE MEASUREMENT | 3.26410 | 4.90216 | | ***** | 37.20000 | 37.20000 | | 0 | 1/mo | cal |
| | PERMIT MEASUREMENT | 5.10000 K/L AVG | REPORT DAILY RM | K6/ DAY | ***** | REPORT 30DA AVG | REPORT DAILY RM | MG/L | | ONCE/ MONTH | CALCTD |
| EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT MEASUREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT MEASUREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT MEASUREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT MEASUREMENT | | | | | | | | | | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

J. 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 23 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

609
AREA CODE

339-3463
NUMBER

91 04 19
YEAR MO DAY

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

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 SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) **NJ0025411**
PERMIT NUMBER
(17-19) **463A**
DISCHARGE NUMBER

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

DMR NUMBER: **91030928**

MONITORING PERIOD
FROM YEAR **91** MO **03** DAY **01** TO YEAR **91** MO **03** DAY **31**
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

SOUTH STORM DRAIN
MAJOR
SOUTHERN REGION

NOTE: Read instructions before completing this form.

| PARAMETER (12-37) | | (1 Card Only) QUANTITY OR LOADING (46-53) | | | (4 Card Only) QUALITY OR CONCENTRATION (46-53) | | | | NO. EX | FREQUENCY OF ANALYSIS (64-68) | SAMPLE TYPE (69-70) |
|-----------------------|--------------------|---|----------|-------|--|----------|-----------|-------|-----------|-------------------------------------|---------------------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| PH | SAMPLE MEASUREMENT | ***** | ***** | | 7.90000 | ***** | 7.90000 | | 0 | 1/mth | grab |
| 00400 1 0 | POINT MEASUREMENT | ***** | ***** | **** | 6.00000 | ***** | 9.00000 | SU | | ONCE/MONTH | GRAB |
| EFFLUENT GROSS VALUE | | | | **** | MINIMUM | | MAXIMUM | | | | |
| SOLIDS, TOTAL | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 30.00000 | 30.00000 | | 0 | 1/mth | grab |
| SUSPENDED | POINT MEASUREMENT | ***** | ***** | **** | ***** | 30.00000 | 100.00000 | MG/L | | ONCE/MONTH | GRAB |
| 00530 1 0 | | | | **** | | 30DA AVG | DAILY MX | | | | |
| EFFLUENT GROSS VALUE | | | | **** | | | | | | | |
| HYDROCARBONS, IN H2O, | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 0.36500 | 0.41000 | | 0 | 1/mth | grab-3 |
| IR, C14 EXT. CHROMAT | POINT MEASUREMENT | ***** | ***** | **** | ***** | REPORT | 15.00000 | MG/L | | ONCE/MONTH | GRAB-3 |
| 00551 1 0 | | | | **** | | 30DA AVG | DAILY MX | | | | |
| EFFLUENT GROSS VALUE | | | | **** | | | | | | | |
| CARBON, TOT ORGANIC | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 2.75000 | 2.75000 | | 0 | 1/mth | grab |
| (TOC) | POINT MEASUREMENT | ***** | ***** | **** | ***** | REPORT | 50.00000 | MG/L | | ONCE/MONTH | GRAB |
| 00680 1 1 | | | | **** | | 30DA AVG | DAILY MX | | | | |
| EFFLUENT GROSS VALUE | | | | **** | | | | | | | |
| FLOW, IN CONDUIT OR | SAMPLE MEASUREMENT | 0.23064 | 0.23064 | | ***** | ***** | ***** | | - | 1/mth | |
| THRU TREATMENT PLANT | POINT MEASUREMENT | REPORT | REPORT | | ***** | ***** | ***** | **** | | ONCE/MONTH | |
| 50050 1 0 | | 30DA AVG | DAILY MX | MGD | | | | *** | | | |
| EFFLUENT GROSS VALUE | | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | POINT MEASUREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | POINT MEASUREMENT | | | | | | | | | | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
J. 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 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
609 339-3463
AREA CODE NUMBER
DATE
91 04 19
YEAR MO DAY

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.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2.16)

PERMIT NUMBER
NJ0025411

DISCHARGE NUMBER
464A

ADDRESS P.O. BOX 236/N21
HAMCOCKS BRIDGE, NJ 08038

PERIM STORM DRAIN
MAJOR
SOUTHERN REGION

MONITORING PERIOD
FROM 91 03 01 TO 91 03 31

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

DMR NUMBER: 91030928

NOTE: Read instructions before completing this form.

| PARAMETER (32-37) | QUANTITY OR LOADING (46-51) | | | QUALITY OR CONCENTRATION (54-61) | | | UNITS | NO. EX (62-63) | FREQUENCY OF ANALYSIS (64-65) | SAMPLE TYPE (69-70) |
|---|--------------------------------|---------|---------|-------------------------------------|---------|---------|-------|-------------------|-------------------------------------|---------------------------|
| | AVERAGE | MAXIMUM | MINIMUM | AVERAGE | MAXIMUM | MINIMUM | | | | |
| PH | 7.8-8.0 | 7.8-8.0 | 7.8-8.0 | 7.8-8.0 | 7.8-8.0 | 7.8-8.0 | | 0 | 1/mth | grab |
| 00400 1 0 EFFLUENT GROSS VALUE | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | | 0 | ONCE/MONTH | GRAB |
| SOLIDS, TOTAL | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | | 0 | ONCE/MONTH | GRAB |
| SUSPENDED | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | | 0 | ONCE/MONTH | GRAB |
| 00530 1 0 EFFLUENT GROSS VALUE | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | | 0 | ONCE/MONTH | GRAB |
| HYDROCARBONS, IN H2O | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | | 0 | ONCE/MONTH | GRAB |
| IR, CC14 EXT. CHROMA | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | | 0 | ONCE/MONTH | GRAB |
| 00551 1 0 EFFLUENT GROSS VALUE | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | | 0 | ONCE/MONTH | GRAB |
| CARBON, TOT ORGANIC (TOC) | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | | 0 | ONCE/MONTH | GRAB |
| 00680 1 1 EFFLUENT GROSS VALUE | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | | 0 | ONCE/MONTH | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | | 0 | ONCE/MONTH | GRAB |
| 50050 1 0 EFFLUENT GROSS VALUE | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | 0.30076 | | 0 | ONCE/MONTH | GRAB |

NAME/TITLE: J. Hagan, General Manager, Hope Creek Operations

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER: [Signature]

DATE: 91 04 19

TELEPHONE: 339-3463

AREA CODE: 609

NUMBER: 339-3463

OFFICER OR AUTHORIZED AGENT: [Signature]

EXPLANATION OF CONDITIONS FOR TSS LIMITS: SAMPLES TO BE TAKEN DURING A BYSTANDER 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. * See Explanation of Conditions for TSS Limits.

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

REPLACES EPA FORM 3320-1 WHICH MAY NOT BE USED

LABS: 08153 77451 77535 06431

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