

LR-E02-0160

April 22, 2002

New Jersey Department of Environmental Protection Division of Water Quality Bureau of Permit Management P.O. Box 029 Trenton, NJ 08625-0029 Certified Mail Number 7001 2510 0003 6742 5342

NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE MONITORING REPORTS SALEM GENERATING STATION PERMIT NO. NJ0005622

Attached is the Discharge Monitoring Report for Salem Generating Station containing the information as required in Permit No. NJ0005622, 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 analyses required to be performed by the above agencies. The choice of the measurement devices and analytical methods is controlled by EPA and 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 any reading or analytical result represents, the true value with absolute accuracy, nor is it an endorsement of the suitability of any analytical or measurement procedure.

Sincerely,

David F. Garchow

Vice President Operations

Attachments

95-2168 REV 7/99

NJPDES Report March 2002

C Executive Director – DRBC
USNRC – Document Control Desk Unit#1-50-272 Unit#2-50-311
Vice President Operations
Manager – Nuclear Safety & Licensing
M. Vaskis
D. Hurka
Central Record Facility
E. Keating

NJPDES Report Explanation of Deviations March 2002

The following excursions are included in the attached report and are explained below. Excursions have not endangered nor significantly impacted public health or the environment.

DSN NO. EXPLANATION

In accordance with N.J.A.C. 7:14A-6.10, PSEG Nuclear reported the discharge to the Delaware River of approximately 50 gallons of lubricating oil The discharge originated from a failure of the 12 B Circulator upper motor oil reservoir cooler. This failure caused cooling water to flow into the oil reservoir and cause the reservoir to overflow into the motor windings down the motor and subsequently into the pump intake of 12 B Circulator. As 12 B Circulator was in service at the time of the failure, the oil was discharged via DSN 482. Due to the time of the event it could not be ascertained if a visible sheen developed.

The discharge was reported to the New Jersey Department of Environmental Protection ("NJDEP") Hotline and assigned Case No. 02-03-03-0229-23. The discharge was also reported to the National Response Center and assigned Case No. 595482 and the Nuclear Regulatory Commission (NRC).

Operations personnel discovered the discharge at 0228 hours on March 3, 2002. Upon discovery of the failed cooler, Operations personnel immediately tripped the circulator, stopping the discharge. Site personnel used absorbent pads and boom to remove the remaining oil located in the intake bay.

In order to prevent reoccurrence, PSEG will keep the affected circulator out of service until repairs are completed. In addition, PSEG is inspecting the other circulators for indications of a potential similar failure. No injuries resulted from this discharge and there was no evidence of environmental damage.

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 Salem'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 have reviewed the attached Discharge Monitoring Reports. Pursuant to N.J. A. C. 7:14A-2.4, 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 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 day of April 2002

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

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0005622

MONITORING REPORT TYPE:Surface Water Discharge N

MONITORING PERIOD:

3/1/2002 - 3/31/2002

MONITORED LOCATION:

FACA SW Outfall FACA

MONITORED LOCATION GROUP: N/A REGION / COUNTY:

Southern / Salem County

REPORT RECIPIENT: PSEG NUCLEAR LLC PO BOX 236/N21

LOCATION OF ACTIVITY: PSEG NUCLEAR LLC ALLOWAY CREEK NECK RD

| HANCOCKS BRIDGE, NJ 08038 | LOWER ALLOWAYS CREEK, NJ 08038-0000 |
|---|--|
| CHECK IF APPLICABLE: No Discharge this Mon | nitoring Period |
| MONITORING REPORT COMMENTS: | |
| | |
| | |
| individuals immediately responsible for obtaining the infor- | mined and am familiar with the information submitted herein; and based on my inquiry of thos mation, I believe the submitted information is true, accurate, and complete. I am aware that there are ling 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-Operat | tions F. Huekow |
| NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR A | UTHORIZED AGENT SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |
| (856)339-6000 | 04/22/02 |
| AREA CODE / TELEPHONE NUMBER | DATE (MONTH / DAY / YEAR) |

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622 FACA SW Outfall FACA

3/1/2002 TO 3/31/2002

PSEG NUCLEAR LLC

| PARAMETER | | QUANTITY | OR LOADING | UNITS | QUALI | TY OR CONCENTR | ATION | UNITS | NO. EX. | FREQ. OF ANALYSIS | SAMPLE TYPE |
|-------------------------------|-----------------------|--|-------------|-------|---------|------------------|------------------|-------|------------|----------------------|----------------|
| Temperature, oC 00010 G | SAMPLE MEASUREMENT | **** | **** | | ***** | 8.4 | 1/.3 | | 0 | Continuous | CONTIN |
| Raw Sew/influent | PERMIT REQUIREMENT | ***** | ****** | ***** | ***** | REPORT 01MOAV | REPORT 01DAMX | DEG.C | 2 | Continuous | CONTIN |
| Temperature, oC 00010 1 | SAMPLE MEASUREMENT | ***** | ***** | | ***** | <i>15</i> .3 | 21.3. | | 0 | Continuous | CONTIN |
| Effluent Gross Value | PERMIT REQUIREMENT | ************************************** | 5113461 | ***** | ander . | REPORT 01MOAV | 43.3 01DAMX | DEG.C | | Continuous | CONTIN |
| Temperature, oC 00010 2 | SAMPLE MEASUREMENT | **** | ***** | | ***** | 7.0 | 11.8 | | 0 | 1/Day | CALCTO |
| Effluent Net Value | PERMIT REQUIREMENT | | Section 2 | ***** | teanes | REPORT 01MOAV | 15.3 01DAMX | DEG.C | | 1/Day | CALCTD |
| Lab Certification # | SAMPLE MEASUREMENT | 17327 | 06431 | | 46405 | 77343 | | | | | |
| Lab | PERMIT REQUIREMENT | REPORT Lab# | REPORT Lab# | | REPORT | REPORT Lab# | REPORT | | | Not Applic | NÖT AP |

Comments: 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".

Pre-Print Creation Date: 1/1/2002

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0005622

MONITORING REPORT TYPE: Surface Water Discharge ${\tt N}$

3/1/2002 - 3/31/2002

FACB SW Outfall FACB

MONITORED LOCATION GROUP: N/A REGION / COUNTY:

MONITORED LOCATION:

Southern / Salem County

REPORT RECIPIENT: PSEG NUCLEAR LLC

MONITORING PERIOD:

PO BOX 236/N21

LOCATION OF ACTIVITY: PSEG NUCLEAR LLC ALLOWAY CREEK NECK RD

| HANCOCKS BRIDGE, NJ 0803 | 8 LOWER A | ALLOWAYS CREEK, NJ 08038-0000 |
|-------------------------------------|---|---|
| CHECK IF APPLICABLE: | No Discharge this Monitoring Period | |
| MONITORING REPORT COMM | ENTS: | · · · · · · · · · · · · · · · · · · · |
| | | |
| | | |
| individuals immediately responsible | le for obtaining the information, I believe the | iar with the information submitted herein; and based on my inquiry of those submitted information is true, accurate, and complete. I am aware that there are fine and imprisonment. See 18 U.S.C. § 1319. |
| | γ include fines up to \$10,000 and or a maximu | m imprisonment of between 6 months and 5 years.) |
| | ECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |
| (856) 339-6000 | | 04/22/02 |
| AREA CODE / TELEPHONE NUMBER | | DATE (MONTH / DAV / VEAR) |

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

FACB SW Outfall FACB

3/1/2002 TO 3/31/2002

PSEG NUCLEAR LLC

| 1100003022 | 1 701 | 5 5W Outlan I | AOD 3 | 7 172002 1 | 0 3/3 1/2002 | FSEG NUCL | LEAR LLC | | | | |
|-------------------------------|-----------------------|--|------------------------|------------|--|------------------|------------------|-------|------------|----------------------|----------------|
| ~ PARAMETER | X | QUANTITY | OR LOADING | UNITS | QUALI | TY OR CONCENTR | RATION | UNITS | NO. EX. | FREQ. OF ANALYSIS | SAMPLE TYPE |
| Temperature, oC 00010 G | SAMPLE MEASUREMENT | **** | **** | | ***** | 8.4 | 11.3 | | 0 | Continuous | CONTIN |
| Raw Sew/influent | PERMIT REQUIREMENT | ************************************** | tonita (| ***** | en e | REPORT: | REPORT 01DAMX | DEG.C | | Continuous | CONTIN |
| Temperature, oC 00010 1 | SAMPLE MEASUREMENT | ***** | ***** | | **** | 16.9 | 19.6 | | 0 | Continuous | CONTIN |
| Effluent Gross Value | PERMIT REQUIREMENT | ****** | Andreas and the second | ***** | ***** | REPORT 01MOAV | 43.3 01DAMX | DEG.C | | Continuous | CONTIN |
| Temperature, oC 00010 2 | SAMPLE MEASUREMENT | **** | **** | | * **** | 8.5 | 10.2 | | 0 | 1/0ay | CALCTD |
| Effluent Net Value | PERMIT REQUIREMENT | 12 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | in american | ***** | tenthi El | REPORT 01MOAV | 15.3 01DAMX | DEG.C | | 1/Day | CALCTD |
| Lab Certification # | SAMPLE MEASUREMENT | 17327 | 06431 | | 46405 | 77343 | | | | | |
| Lab | PERMIT REQUIREMENT | REPORT | REPORT Lab# | | REPORT Lab# | REPORTLab # | REPORT Lab# | | | Not Applic | NOT AP |

Comments: 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".

Pre-Print Creation Date: 1/1/2002

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0005622

MONITORING REPORT TYPE:Surface Water Discharge N

MONITORING PERIOD:

3/1/2002 - 3/31/2002

REGION / COUNTY:

FACC SW Outfall FACC

MONITORED LOCATION GROUP: N/A

Southern / Salem County

REPORT RECIPIENT: PSEG NUCLEAR LLC

PO BOX 236/N21 HANCOCKS BRIDGE, NJ 08038 **LOCATION OF ACTIVITY:** PSEG NUCLEAR LLC ALLOWAY CREEK NECK RD

MONITORED LOCATION:

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.) <u>David F. Garchow Vice President-Operations</u> NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT **(856)** 339-6000 04/22/02 AREA CODE / TELEPHONE NUMBER DATE (MONTH / DAY / YEAR)

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

FACC SW Outfall FACC

3/1/2002 TO 3/31/2002

PSEG NUCLEAR LLC

| M30003022 | 1 700 | JOW Outlan F | ACC 3 | 11/2002 | 10 3/3 1/2002 | PSEG NUCI | LEAR LLC | | | | |
|--|-----------------------|----------------|------------------|---------|----------------|----------------|--------------|-------|------------|----------------------|----------------|
| PARAMETER | | QUANTITY | OR LOADING | UNITS | QUALI | TY OR CONCENTE | RATION | UNITS | NO. EX. | FREQ. OF ANALYSIS | SAMPLE TYPE |
| Flow, In Conduit or Thru Treatment Plant 50050 G | SAMPLE MEASUREMENT | 2438 | 2892 | | **** | **** | ***** | | 0 | 1/04 | CALCTO |
| Raw Sew/influent | PERMIT REQUIREMENT | 3024 01MOAV | REPORT 01DAMX | MGD | Adding annexes | ***** | ****** | ***** | | 1/Day | CALCTD |
| Thermal Discharge Million BTUs per Hr 00015 2 | SAMPLE MEASUREMENT | /2 798 | 16195 | | **** | **** | ***** | | 0 | 1/Day | CALCTO |
| Effluent Net Value | PERMIT REQUIREMENT | REPORT 01MOAV | 30600 01DAMX | MBTU/HR | ****** | RATIONS | ***** | ***** | | 1/Day | CALCTD |
| Lab Certification # | SAMPLE MEASUREMENT | 17327 | 06431 | | 46405 | 77343 | | | | | |
| Lab | PERMIT REQUIREMENT | REPORT Lab# | REPORT Lab# | | REPORT : | REPORT: | REPORT Lab # | | | Not Applic | NOT AP. |

Comments: 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".

Pre-Print Creation Date: 1/1/2002

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0005622

MONITORING REPORT TYPE: Surface Water Discharge ${\bf N}$

3/1/2002 - 3/31/2002

MONITORED LOCATION:

048C SW Outfall 48C

MONITORED LOCATION GROUP: N/A REGION / COUNTY:

Southern / Salem County

REPORT RECIPIENT: PSEG NUCLEAR LLC PO BOX 236/N21

MONITORING PERIOD:

HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY: PSEG NUCLEAR LLC ALLOWAY CREEK NECK RD

| CHECK IF APPLICABLE: No Discharge this Monitoring Period | |
|--|---|
| - | |
| MONITORING REPORT COMMENTS: | |
| | |
| | |
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| | |
| I certify under penalty of law that I have personally examined and am famili individuals immediately responsible for obtaining the information, I believe the significant penalties for submitting false information, including the possibility of | submitted information is true, accurate, and complete. I am aware that there are fine and imprisonment. See 18 U.S.C. § 1319. |
| (Penalties under these statutes may include fines up to \$10,000 and or a maximum | n imprisonment of between 6 months and 5 years.) |
| David F. Garchow Vice President-Operations | Vand K. Tarelow |
| NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |
| (856) 339-6000 | 04/22/02 |
| AREA CODE / TELEPHONE NUMBER | DATE (MONTH / DAY / YEAR) |

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622 048C SW Outfall 48C

3/1/2002 TO 3/31/2002

PSEG NUCLEAR LLC

| N30003022 | 0400 | SVV Outian 40 | | 11/2002 | 0 3/3 1/2002 | PSEG NUCI | LEAR LLC | | | | |
|--|-------------------------|------------------------|-------------------|---------|--|----------------|---------------|-------|------------|----------------------|----------------|
| PARAMETER | | QUANTITY | OR LOADING | UNITS | QUALI | TY OR CONCENTE | RATION | UNITS | NO. EX. | FREQ. OF ANALYSIS | SAMPLE TYPE |
| Flow, In Conduit or Thru Treatment Plant 50050 1 | SAMPLE MEASUREMENT | 0.1244 | 0.3116 | | **** | **** | ***** | | 0 | 1/Day | CALCTD |
| Effluent Gross Value | , PERMIT REQUIREMENT | REPORT 01MOAV | REPORT 01DAMX | MGD | ertent. | | ***** | ***** | | 1/Day | CALCTD |
| Solids, Total Suspended 00530 1 | SAMPLE MEASUREMENT | ***** | ***** | | **** | 6. | 7 | | 0 | 2/Month | COMPOS |
| Effluent Gross Value | PERMIT REQUIREMENT | (1 411411) | 400 mg | ***** | ****** | 30 01MOAV | 100 01DAMX | MG/L | | 2/Month | COMPOS |
| Nitrogen, Ammonia Total (as N) 00610 1 | SAMPLE MEASUREMENT | ***** | ***** | | *** | 12 | 15 | | 0 | 2/Month | COMPGS |
| Effluent Gross Value | PERMIT REQUIREMENT | | Property Sections | ***** | ************************************** | 35 N 01MOAV | 70 01DAMX | MG/L | | 2/Month | COMPOS |
| Petroleum Hydrocarbons 00551 1 | SAMPLE MEASUREMENT | ***** | **** | | **** | / | 1 | | 0 | 2/Month | GRAB |
| Effluent Gross Value | PERMIT REQUIREMENT | ******* | ***** | ***** | ****** | 10 01MOAV | 15 01DAMX | MG/L | | 2/Month | GRAB |
| Carbon, Tot Organic (TOC) 00680 1 | SAMPLE MEASUREMENT | ***** | **** | | **** | 26 | 4/ | | 0 | 2/Month | COMPOS |
| Effluent Gross Value | PERMIT REQUIREMENT | ••••• | ******* | ***** | ************************************** | REPORT 01MOAV | 50 01DAMX | MG/L | | 2/Month | COMPOS |
| Lab Certification # | SAMPLE MEASUREMENT | 17327 | 06431 | | 46405 | 77343 | | | | | |
| 99999 99 Lab | PERMIT REQUIREMENT | REPORT | REPORT | | REPORT | REPORT | REPORT | | | Not Applic | NOT AP |

Comments: If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Region 2 at (609)292-4680 or via email at "srosenwi@dep.state.nj.us".

Pre-Print Creation Date: 1/1/2002

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0005622

MONITORED LOCATION:

REGION / COUNTY:

481A SW Outfall 481A

MONITORING REPORT TYPE:Surface Water Discharge N MONITORING PERIOD:

3/1/2002 - 3/31/2002

MONITORED LOCATION GROUP: N/A Southern / Salem County

REPORT RECIPIENT: PSEG NUCLEAR LLC

PO BOX 236/N21 HANCOCKS BRIDGE, NJ 08038 **LOCATION OF ACTIVITY:** PSEG NUCLEAR LLC ALLOWAY CREEK NECK RD

| | , |
|--|--|
| CHECK IF APPLICABLE: No Discharge this Monitoring Period | |
| MONITORING REPORT COMMENTS: | |
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| | |
| | |
| I certify under penalty of law that I have personally examined and am famili individuals immediately responsible for obtaining the information, I believe the significant penalties for submitting false information, including the possibility of | submitted information is true, accurate, and complete. I am aware that there are |
| (Penalties under these statutes may include fines up to \$10,000 and or a maximum | m imprisonment of between 6 months and 5 years.) |
| David F. Garchow Vice President-Operations | Jana F. Taulow |
| NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |
| (856) 339-6000 | 04/22/02 |
| AREA CODE / TELEPHONE NUMBER | DATE (MONTH / DAV / VEAD) |

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622 481A SW Outfall 481A

3/1/2002 TO 3/31/2002

PSEG NUCLEAR LLC

| | 4017 | OW Outlan 40 | | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 10 3/3 1/2002 | PSEG NOCI | LLAN LLO | | | | |
|--|------------------------|------------------|------------------|---|------------------|------------------|------------------|-------|------------|----------------------|----------------|
| PARAMETER | X | QUANTITY | OR LOADING | UNITS | QUALI | TY OR CONCENTE | RATION | UNITS | NO. EX. | FREQ. OF ANALYSIS | SAMPLE TYPE |
| Flow, In Conduit or Thru Treatment Plant 50050 1 | SAMPLE MEASUREMENT | 389 | 519 | | **** | **** | ***** | | 0 | 1/Day | CALCTD |
| Effluent Gross Value | PERMIT REQUIREMENT | REPORT 01MOAV | REPORT 01DAMX | MGD | ****** | ***** | ***** | ***** | | 1/Day | CALCTD |
| рН | SAMPLE MEASUREMENT | **** | **** | | 7.8 | **** | 7. 9 | | 0 | 1/week | GRAB |
| 00400 1 Effluent Gross Value | PERMIT REQUIREMENT | ****** | ****** | ***** | 6.0 01DAMN | ****** | 9.0 01DAMX | รบ | | 1/Week | GRAB |
| рН | SAMPLE MEASUREMENT | ***** | **** | | 7.9 | **** | 8.1 | | 0 | 1/Week | GRAB |
| 00400 7 Intake From Stream | PERMIT. REQUIREMENT | ***** | ***** | **** | REPORT 01DAMN | ****** | REPORT 01DAMX | ຮບ | | 1/Week | GRAB |
| LC50 Statre 96hr Acu Cyprinodon TAN6A 1 | SAMPLE MEASUREMENT | **** | **** | | CODE= N | **** | **** | | 0 | CODEIN | CODE=N |
| Effluent Gross Value | PERMIT REQUIREMENT | ****** | ***** | ***** | 50 01DAMN | ***** | | %EFFL | | 2/Year | COMPOS |
| Chlorine Produced Oxidants *CPOX 1 | SAMPLE MEASUREMENT | ***** | *** | | **** | <0.1 | <0.1 | | 0 | 3/week | GRAB |
| Effluent Gross Value Option 1 | PERMIT REQUIREMENT | * ***** | ****** | **** | •••••• | 0.3 01MOAV | 0.5 01DAMX | MG/L | | 3/Week | GRAB |
| Chlorine Produced Oxidants *CPOX 1 | SAMPLE MEASUREMENT | **** | **** | | **** | <0.1 | <0./ | | 0 | 3/weck | GRAB |
| Effluent Gross Value Option 2 | PERMIT REQUIREMENT | | | **** | ***** | REPORT 01MOAV | 0.2 01DAMX | MG/L | | 3/Week | GRAB |
| Temperature, oC 00010 1 | SAMPLE MEASUREMENT | **** | **** | | **** | 15.5 | 23.5 | | 0 | 1/Day | CONTIN |
| Effluent Gross Value | PERMIT REQUIREMENT | | ****** | ***** | | REPORT 01MOAV | REPORT 01DAMX | DEG.C | | 1/Day | CONTIN |
| Lab Certification # | SAMPLE MEASUREMENT | 17327 | 06431 | | 46405 | 77343 | | | | | |
| 99999 99 Lab | PERMIT REQUIREMENT | REPORT Lab# | REPORT | | REPORT | REPORT Lab # | REPORT | | | Not Applic | NOT AP |

Comments: The permittee is required to perform acute toxicity testing on a minimum of one representative CWS outfall while DSN 48C is being routed to that outfall.

Pre-Print Creation Date: 1/1/2002

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0005622

MONITORING REPORT TYPE:Surface Water Discharge N

MONITORED LOCATION: MONITORED LOCATION GROUP: N/A REGION / COUNTY:

482A SW Outfall 482A

MONITORING PERIOD: 3/1/2002 - 3/31/2002

Southern / Salem County

REPORT RECIPIENT: PSEG NUCLEAR LLC

PO BOX 236/N21 HANCOCKS BRIDGE, NJ 08038 **LOCATION OF ACTIVITY:** PSEG NUCLEAR LLC ALLOWAY CREEK NECK RD

| CHECK IF APPLICABLE: No Discharge this Monitoring Period | |
|--|--|
| MONITORING REPORT COMMENTS: | |
| | |
| · | |
| | |
| | |
| I certify under penalty of law that I have personally examined and am famili individuals immediately responsible for obtaining the information, I believe the significant penalties for submitting false information, including the possibility of | submitted information is true, accurate, and complete. I am aware that there are |
| (Penalties under these statutes may include fines up to \$10,000 and or a maximum | m imprisonment of between/6 months and 5 years.) |
| David F. Garchow Vice President-Operations | Law & Huchon |
| NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |
| (856) 339-6000 | 04/22/02 |
| AREA CODE / TELEPHONE NUMBER | DATE (MONTH / DAY / VEAD) |

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622 482A SW Outfall 482A 3/1/2002 TO 3/31/2002

PSEG NUCLEAR LLC

| 1430000022 | 4027 | Svv Outrail 48 | 2A 3 | 1112002 | 10 3/31/2002 | PSEG NUC | LEAR LLC | | | | |
|--|-----------------------|------------------|------------------|---------|------------------|------------------|------------------|-------|------------|----------------------|----------------|
| PARAMETER | X | QUANTITY | OR LOADING | UNITS | QUAL | ITY OR CONCENTE | RATION | UNITS | NO. EX. | FREQ. OF ANALYSIS | SAMPLE TYPE |
| Flow, In Conduit or Thru Treatment Plant 50050 1 | SAMPLE MEASUREMENT | 344 | 490 | | **** | **** | ***** | | 0 | 1/Day | CALCTD |
| Effluent Gross Value | PERMIT REQUIREMENT | REPORT 01MOAV | REPORT 01DAMX | MGD | | ***** | ***** | ***** | | 1/Day | CALCTD |
| pH | SAMPLE MEASUREMENT | ***** | ***** | | 7.9 | *** | 8. / | | 0 | 1/week | GRAB |
| 00400 1 Effluent Gross Value | PERMIT REQUIREMENT | ****** | ****** | **** | 6.0 01DAMN | Assess | 9.0 01DAMX | su | | 1/Week | GRAB |
| pH 00400 7 | SAMPLE MEASUREMENT | ***** | **** | | 7. 9 | **** | 8./ | ,, | 0 | Meck | GRAB |
| Intake From Stream | PERMIT REQUIREMENT | ****** | ****** | ***** | REPORT 01DAMN | ***** | REPORT 01DAMX | SU | | 1/Week | GRAB |
| LC50 Statre 96hr Acu Cyprinodon TAN6A 1 | SAMPLE MEASUREMENT | ***** | **** | | CODE = N | **** | **** | | 0 | CODEIN | CODE=N |
| Effluent Gross Value | PERMIT REQUIREMENT | ****** | ****** | ***** | 50 01DAMN | ***** | ***** | %EFFL | | 2/Year | COMPOS |
| Chlorine Produced Oxidants *CPOX 1 | SAMPLE MEASUREMENT | ***** | **** | | **** | <0.1 | <0.1 | | 0 | 3/Weak | GRAD |
| Effluent Gross Value Option 1 | PERMIT REQUIREMENT | ****** | ····· | **** | •••••• | 0.3 01MOAV | 0.5 01DAMX | MG/L | | 3/Week | GRAB |
| Chlorine Produced Oxidants *CPOX 1 | SAMPLE MEASUREMENT | **** | **** | | ***** | <0.1 | <0.1 | | 0 | 3/week | GRAB |
| Effluent Gross Value Option 2 | PERMIT REQUIREMENT | ••••• | •*** | ***** | ******* | REPORT 01MOAV | 0.2 01DAMX | MG/L | | 3/Week | GRAB |
| Temperature, oC 00010 1 | SAMPLE MEASUREMENT | **** | ***** | | ***** | 16.0 | 23./ | | Ø | 1/Day | CONTIN |
| Effluent Gross Value | PERMIT REQUIREMENT | ****** | | **** | ****** | REPORT 01MOAV | REPORT 01DAMX | DEG.C | | 1/Day | CONTIN |
| Lab Certification # | SAMPLE MEASUREMENT | 17327 | 06431 | | 46405 | 77343 | | | JOWES POL | | |
| 99999 99 Lab | PERMIT REQUIREMENT | REPORT Lab# | REPORT | | REPORT | REPORT Lab# | REPORT Lab# | | | Not Applic | NOT AP |

Comments: The permittee is required to perform acute toxicity testing on a minimum of one representative CWS outfall while DSN 48C is being routed to that outfall. .

Pre-Print Creation Date: 1/1/2002

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0005622

MONITORED LOCATION:

REGION / COUNTY:

483A SW Outfall 483A

MONITORING REPORT TYPE: Surface Water Discharge ${\bf N}$

MONITORING PERIOD: 3/1/2002 - 3/31/2002

MONITORED LOCATION GROUP: N/A

Southern / Salem County

REPORT RECIPIENT: PSEG NUCLEAR LLC

PO BOX 236/N21

LOCATION OF ACTIVITY: PSEG NUCLEAR LLC

ALLOWAY CREEK NECK RD

| HANCOCKS BRIDGE, NJ 08038 | WER ALLOWAYS CREEK, NJ 08038-0000 |
|---|--|
| CHECK IF APPLICABLE: No Discharge this Monitoring Period | 1 |
| MONITORING REPORT COMMENTS: | |
| | |
| | |
| I certify under penalty of law that I have personally examined and am individuals immediately responsible for obtaining the information, I believe significant penalties for submitting false information, including the possibility. | familiar with the information submitted herein; and based on my inquiry of those we the submitted information is true, accurate, and complete. I am aware that there are ility of fine and imprisonment. See 18 U.S.C. § 1319. |
| (Penalties under these statutes may include fines up to \$10,000 and or a m | |
| David F. Garchow Vice President-Operations | 1 Aug F Huchold |
| NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AC | GENT SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |
| (856) 339-6000 | 04/22/02 |
| AREA CODE / TELEPHONE NUMBER | DATE (MONTH / DAY / YEAR) |

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

483A SW Outfall 483A

3/1/2002 TO 3/31/2002

PSEG NUCLEAR LLC

| 1100003022 | 1007 | OW Outlan 40 | • | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 10 3/3 1/2002 | F3EG NOCI | LLAIT LLO | | | | |
|--|-----------------------|------------------|------------------|---|------------------|------------------|------------------|-------|------------|----------------------|----------------|
| PARAMETER | X | QUANTITY | OR LOADING | UNITS | QUALI | TY OR CONCENTE | RATION | UNITS | NO. EX. | FREQ. OF ANALYSIS | SAMPLE TYPE |
| Flow, In Conduit or Thru Treatment Plant 50050 1 | SAMPLE MEASUREMENT | 370 | 510 | | **** | ***** | ***** | | 0 | 1/Day | CALCTD |
| Effluent Gross Value | PERMIT REQUIREMENT | REPORT 01MOAV | REPORT 01DAMX | MGD | ****** | ****** | 4+2444 | ***** | | 1/Day | CALCTD |
| рН | SAMPLE MEASUREMENT | ***** | **** | | 7. 6 | ***** | 8.0 | | 0 | 1/week | GRAB |
| 00400 1 Effluent Gross Value | PERMIT REQUIREMENT | ****** | | ***** | 6.0 01DAMN | ***** | 9.0 01DAMX | su | | 1/Week | GRAB |
| pH | SAMPLE MEASUREMENT | ***** | ***** | | 7.9 | **** | 8.1 | | 0 | Ilweek | GRAB |
| 00400 7 Intake From Stream | PERMIT REQUIREMENT | terans (| ****** | ***** | REPORT 01DAMN | gh Spirites | REPORT 01DAMX | su | | 1/Week | GRAB |
| Chlorine Produced Oxidants *CPOX 1 | SAMPLE MEASUREMENT | ***** | **** | | ***** | 0.2 | 0.4 | | 0 | 3/week | GRAD |
| Effluent Gross Value Option 1 | PERMIT REQUIREMENT | ****** | ****** | ***** | ******* | 0.3 01MOAV | 0.5 01DAMX | MG/L | | 3/Week | GRAB |
| Chlorine Produced Oxidants *CPOX 1 | SAMPLE MEASUREMENT | **** | **** | | **** | <0.1 | <0.1 | | 0 | 3/week | GRAB |
| Effluent Gross Value Option 2 | PERMIT REQUIREMENT | essent (F | S. C. Charles | **** | ****** | REPORT 01MOAV | 0.2 01DAMX | MG/L | | 3/Week | GRAB |
| Temperature, oC 00010 1 | SAMPLE MEASUREMENT | **** | ***** | | ***** | 15.8 | 29.8 | | 0 | 1/Day | CONTIN |
| Effluent Gross Value | PERMIT REQUIREMENT | 1 | la | **** | ***** | REPORT 01MOAV | REPORT 01DAMX | DEG.C | | 1/Day | CONTIN |
| Lab Certification # | SAMPLE MEASUREMENT | 17327 | 06431 | | 4643/ | 77343 | | | | | |
| Lab | PERMIT REQUIREMENT | REPORT Lab # | REPORT Lab# | | REPORT - | REPORT Lab# | REPORT Lab# | | | Not Applic | NOT AP |

| Comments: | Any que | estions | in regards | to the | e monito | ring report | form can | be directed t | oS. | Rosenwinkel of the B | PSP | - Region : | 2 at (6 | 609)292- | 4860 |
|-----------|---------|---------|------------|--------|----------|-------------|----------|---------------|-----|----------------------|-----|------------|---------|----------|------|
|-----------|---------|---------|------------|--------|----------|-------------|----------|---------------|-----|----------------------|-----|------------|---------|----------|------|

Pre-Print Creation Date: 1/1/2002

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0005622

MONITORING REPORT TYPE: Surface Water Discharge ${\tt N}$ 3/1/2002 - 3/31/2002

MONITORING PERIOD:

REPORT RECIPIENT: PSEG NUCLEAR LLC

PO BOX 236/N21 HANCOCKS BRIDGE, NJ 08038 MONITORED LOCATION:

484A SW Outfall 484A

MONITORED LOCATION GROUP: N/A REGION / COUNTY:

Southern / Salem County

LOCATION OF ACTIVITY:

PSEG NUCLEAR LLC

ALLOWAY CREEK NECK RD

| CHECK IF APPLICABLE: No Discharge this Monitoring Period | |
|--|--|
| MONITORING REPORT COMMENTS: | |
| | |
| | |
| | |
| I certify under penalty of law that I have personally examined and am familindividuals immediately responsible for obtaining the information, I believe the significant penalties for submitting false information, including the possibility of | submitted information is true, accurate, and complete. I am aware that there are |
| (Penalties under these statutes may include fines up to \$10,000 and or a maximum | |
| David F. Garchow Vice President-Operations | _ Jank t. Huckory |
| NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |
| (856) 339-6000 | 04/22/02 |
| AREA CODE / TELEPHONE NUMBER | DATE (MONTH / DAY / VEAD) |

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622 484A SW Outfall 484A

3/1/2002 TO 3/31/2002

PSEG NUCLEAR LLC

| NJ0005022 | 4047 | SVV Outrail 48 | 4 A 3 | 11/2002 | 10 3/31/2002 | PSEG NUC | LEAR LLU | | | | |
|--|-----------------------|------------------|------------------|---------|------------------|------------------|------------------|-------|------------|----------------------|--|
| PARAMETER | | QUANTITY | OR LOADING | UNITS | QUAL | ITY OR CONCENTE | RATION | UNITS | NO. EX. | FREQ. OF ANALYSIS | SAMPLE TYPE |
| Flow, In Conduit or Thru Treatment Plant 50050 1 | SAMPLE MEASUREMENT | 499 | 509 | | **** | **** | **** | | 0 | 1/Pay | CALCTO |
| Effluent Gross Value | PERMIT REQUIREMENT | REPORT 01MOAV | REPORT 01DAMX | MGD | ***** | ***** | ***** | ***** | | 1/Day | CALCTD |
| рН | SAMPLE MEASUREMENT | **** | **** | | 7.8 | **** | 8./ | | 0 | 1/week | GRAB |
| 00400 1 Effluent Gross Value | PERMIT REQUIREMENT | ***** | *17*** | ***** | 6.0 01DAMN | ***** | 9.0 01DAMX | SU | | 1/Week | GRAB |
| рН | SAMPLE MEASUREMENT | ***** | . ***** | | 7.9 | **** | 8.1 | | 0 | 1/week | GRAB |
| 00400 7 Intake From Stream | PERMIT REQUIREMENT | ****** | ***** | ***** | REPORT 01DAMN | ****** | REPORT 01DAMX | su | | 1/Week | GRAB |
| LC50 Statre 96hr Acu Cyprinodon TAN6A 1 | SAMPLE MEASUREMENT | **** | **** | | CODE= N | **** | **** | | 0 | CODE=N | CODE=N |
| Effluent Gross Value | PERMIT REQUIREMENT | ****** | ***** | **** | 50 01DAMN | ***** | ****** | %EFFL | | 2/Year | COMPOS |
| Chlorine Produced Oxidants *CPOX 1 | SAMPLE MEASUREMENT | **** | **** | | **** | COOE=N | CODE=N | | 0 | CODE-N | CODEIN |
| Effluent Gross Value Option 1 | PERMIT REQUIREMENT | ***** | | **** | ****** | 0,3 01MOAV | 0.5 01DAMX | MG/L | | 3/Week | GRAB |
| Chlorine Produced Oxidants *CPOX 1 | SAMPLE MEASUREMENT | **** | **** | | ***** | ₹0.1 | (0.1 | | 0 | 3/weck | GRAB |
| Effluent Gross Value Option 2 | PERMIT REQUIREMENT | ****** | ***** | **** | • | REPORT 01MOAV | 0.2 01DAMX | MG/Ł | | 3/Week | GRAB |
| Temperature, oC 00010 1 | SAMPLE MEASUREMENT | ***** | **** | | **** | 17.3 | 21.4 | | 0 | 110ay | CONTIN |
| Effluent Gross Value | PERMIT REQUIREMENT | ****** | ****** | **** | ***** | REPORT 01MOAV | REPORT 01DAMX | DEG.C | | 1/Day | CONTIN |
| Lab Certification # | SAMPLE MEASUREMENT | 17327 | 06431 | | 46405 | 77343 | | | | | A CONTRACTOR AND A CONT |
| 99999 99 Lab | PERMIT REQUIREMENT | REPORT | REPORT | | REPORT Lab# | REPORT | REPORT Lab# | | | Not Applic | NOT AP |

Comments: The permittee is required to perform acute toxicity testing on a minimum of one representative CWS outfall while DSN 48C is being routed to that outfall.

Pre-Print Creation Date: 1/1/2002

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0005622

MONITORING REPORT TYPE:Surface Water Discharge N

3/1/2002 - 3/31/2002

485A SW Outfall 485A MONITORED LOCATION GROUP: N/A

Southern / Salem County

MONITORING PERIOD:

REPORT RECIPIENT:

PSEG NUCLEAR LLC PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: **LOCATION OF ACTIVITY:**

MONITORED LOCATION:

PSEG NUCLEAR LLC

ALLOWAY CREEK NECK RD

| CHECK IF APPLICABLE: No Discharge this Monitoring Period | |
|--|---|
| MONITORING REPORT COMMENTS: | |
| | |
| | |
| · · · · · · · · · · · · · · · · · · · | |
| I certify under penalty of law that I have personally examined and am familindividuals immediately responsible for obtaining the information, I believe the significant penalties for submitting false information, including the possibility of | submitted information is true, accurate, and complete. I am aware that there are fine and imprisonment. See 18 U.S.C. § 1319. |
| (Penalties under these statutes may include fines up to \$10,000 and or a maximu | m imprisonment of between 6 months and 5 years.) |
| David F. Garchow Vice President-Operations | land Tachon |
| NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |
| (856) 339-6000 | 04/22/02 |
| AREA CODE / TELEPHONE NUMBER | DATE (MONTH / DAY / YEAR) |

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622 485A SW Outfall 485A **PSEG NUCLEAR LLC** 3/1/2002 TO 3/31/2002

| 1430003022 | 4007 | CON Outlan 40 | υA | , | 0 3/3 1/2002 | . 020 | , | | | | |
|--|-----------------------|--|------------------|-------|------------------|------------------|--|-------|------------|----------------------|----------------|
| PARAMETER | $\overline{}$ | QUANTITY | OR LOADING | UNITS | QUALI | TY OR CONCENTE | ATION | UNITS | NO. EX. | FREQ. OF ANALYSIS | SAMPLE TYPE |
| Flow, In Conduit or Thru Treatment Plant 50050 1 | SAMPLE MEASUREMENT | 450 | 450 | | ***** | ***** | **** | | 0 | 11Pay | CALOTO |
| Effluent Gross Value | PERMIT REQUIREMENT | REPORT 01MOAV | REPORT 01DAMX | MGD | ***** | ****** | ***** | **** | | 1/Day | CALCTD |
| рН | SAMPLE MEASUREMENT | **** | ***** | | 7.5 | **** | 7.8 | | 0 | 1/week | GRAB |
| 00400 1 Effluent Gross Value | PERMIT REQUIREMENT | ****** | ****** | **** | 6.0 01DAMN | ***** | 9.0 01DAMX | su | | 1/Week | GRAB |
| рН | SAMPLE MEASUREMENT | **** | **** | | 7.9 | ****** | 8.1 | | 0 | 1/week | GRAB |
| 00400 7 Intake From Stream | PERMIT REQUIREMENT | ****** | 217004 | **** | REPORT 01DAMN | STREET | REPORT 01DAMX | su | | 1/Week | GRAB |
| LC50 Statre 96hr Acu Cyprinodon TAN6A 1 | SAMPLE MEASUREMENT | **** | **** | | COPE=N | 大大大大大 | **** | | 0 | CODE=N | COPEZN |
| Effluent Gross Value | PERMIT REQUIREMENT | ****** | ***** | **** | 50 01DAMN | ****** | ************************************** | %EFFL | | 2/Year | ⟨COMPOS⟩ |
| Chlorine Produced Oxidants *CPOX 1 | SAMPLE MEASUREMENT | **** | **** | | **** | CODE=N | C00E=N | | 0 | CODE = N | CODE=N |
| Effluent Gross Value Option 1 | PERMIT REQUIREMENT | ••••• | ****** | **** | ***** | 0.3 01MOAV | 0.5 01DAMX | MG/L | | 3/Week | GRAB |
| Chlorine Produced Oxidants *CPOX 1 | SAMPLE MEASUREMENT | **** | **** | | **** | 40.1 | <0.1 | | 0 | 3/week | GRAB |
| Effluent Gross Value Option 2 | PERMIT REQUIREMENT | ************************************** | ••••• | ***** | ****** | REPORT 01MOAV | 0.2 01DAMX | MG/L | | 3/Week | GRAB |
| Temperature, oC 00010 1 | SAMPLE MEASUREMENT | ***** | **** | | **** | 16.0 | 26.1 | | 0 | 1/Day | CONTIN |
| Effluent Gross Value | PERMIT REQUIREMENT | Mr | | **** | 1 | REPORT 01MOAV | REPORT 01DAMX | DEG.C | 37.5 | 1/Day | CONTIN |
| Lab Certification # | SAMPLE MEASUREMENT | 17327 | 0643/ | | 46405 | 77343 | | | | | |
| 99999 99 Lab | PERMIT REQUIREMENT | REPORT Lab # | REPORT | | REPORT / | REPORT/ | REPORT Lab# | | 32 | Not Applic | NOT AP |

Comments: The permittee is required to perform acute toxicity testing on a minimum of one representative CWS outfall while DSN 48C is being routed to that outfall.

Pre-Print Creation Date: 1/1/2002

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0005622

MONITORED LOCATION:

486A SW Outfall 486A

MONITORING REPORT TYPE: Surface Water Discharge ${\tt N}$ MONITORING PERIOD:

3/1/2002 - 3/31/2002

MONITORED LOCATION GROUP: N/A REGION / COUNTY:

Southern / Salem County

REPORT RECIPIENT: PSEG NUCLEAR LLC

LOCATION OF ACTIVITY: PSEG NUCLEAR LLC

| | ALLOWAY CREEK NECK RD LOWER ALLOWAYS CREEK, NJ 08038-0000 |
|--|---|
| CHECK IF APPLICABLE: No Discharge this Monitoring P | eriod |
| MONITORING REPORT COMMENTS: | · |
| | |
| | |
| | d am familiar with the information submitted herein; and based on my inquiry of those believe the submitted information is true, accurate, and complete. I am aware that there are ossibility of fine and imprisonment. See 18 U.S.C. § 1319. |
| (Penalties under these statutes may include fines up to \$10,000 and on David F. Garchow Vice President-Operations | r a maximum imprisonment of between 6 months and 5 years.) |
| NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZE | |
| (856) 339-6000 | 04/22/02 |
| AREA CODE / TELEPHONE NUMBER | DATE (MONTH / DAY / YEAR) |

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

486A SW Outfall 486A

3/1/2002 TO 3/31/2002

PSEG NUCLEAR LLC

| | | | • | | 10 3/31/2002 | F SEG NOC | | | | | |
|--|-----------------------|---------------|--------------------------|-------|-----------------------|------------------|------------------|-------|------------|----------------------|----------------|
| PARAMETER | X | QUANTITY | OR LOADING | UNITS | QUAL | ITY OR CONCENT | RATION | UNITS | NO. EX. | FREQ. OF ANALYSIS | SAMPLE TYPE |
| Flow, In Conduit or Thru Treatment Plant 50050 1 | SAMPLE MEASUREMENT | 450 | 493 | | ***** | **** | ***** | | 0 | 1/Day | CALCTO |
| Effluent Gross Value | PERMIT REQUIREMENT | REPORT 01MOAV | REPORT 01DAMX | MGD | ****** | nana. | ***** | ***** | | 1/Day | CALCTD |
| рН | SAMPLE MEASUREMENT | ***** | ***** | | 7.7 | **** | 8.0 | | 0 | 1/week | GRAB |
| 00400 1 Effluent Gross Value | PERMIT REQUIREMENT | ****** | 10. 2.117461 | **** | 6.0 01DAMN | Atting 1 | 9.0 01DAMX | SU | | 1/Week | GRAB. |
| pH | SAMPLE MEASUREMENT | ***** | **** | | 7.9 | **** | 8, / | | 0 | 1/week | GRAB |
| 00400 7 Intake From Stream | PERMIT REQUIREMENT | eschip II. | 122444 | ***** | REPORT 01DAMN | ***** | REPORT 01DAMX | su | | 1/Week | GRAB |
| Chlorine Produced Oxidants *CPOX 1 | SAMPLE MEASUREMENT | ***** | **** | | **** | CODE=N | CODE= N | | 0 | CODEON | CODE=N |
| Effluent Gross Value Option 1 | PERMIT REQUIREMENT | ***** | ***** | **** | ****** | 0.3 01MOAV | 0.5 01DAMX | MG/L | 7 | 3/Week | GRAB |
| Chlorine Produced Oxidants *CPOX 1 | SAMPLE MEASUREMENT | **** | **** | | ***** | 20.1 | 20.1 | | 0 | 3/week | GRAB |
| Effluent Gross Value Option 2 | PERMIT REQUIREMENT | ***** | engelings Significant | **** | ****** | REPORT 01MOAV | 0.2 01DAMX | MG/L | | 3/Week | GRAB |
| Temperature, oC 00010 1 | SAMPLE MEASUREMENT | **** | ***** | | ***** | 17.7 | 2 4. / | | 0 | 1/004 | CONTIN |
| Effluent Gross Value | PERMIT REQUIREMENT | anima. | ****** | ***** | ******* | REPORT 01MOAV | REPORT 01DAMX | DEG.C | | 1/Day | CONTIN |
| Lab Certification # | SAMPLE MEASUREMENT | 17327 | 06431 | | 46405 | 77343 | | | | | |
| 99999 99 Lab | PERMIT | REPORT | REPORT Lab# | | TREPORT : * Lab # 17 | REPORT : Lab # | REPORT Lab# | | | Not Applic | NOT AP |

| Confinents. Any | duestions in let | jarus to the monitor | ing report form c | an be directed to a | 5. Rosenwinkei | of the BPSP | - Region 2 at i | (609)292-4 | 860. |
|-----------------|------------------|----------------------|-------------------|---------------------|----------------|-------------|-----------------|------------|------|
| | | | | | | | | | |

Pre-Print Creation Date: 1/1/2002

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0005622

MONITORED LOCATION:

487B SW Outfall 487B

MONITORING REPORT TYPE: Surface Water Discharge ${\bf N}$

MONITORED LOCATION GROUP: N/A

MONITORING PERIOD: 3/1/2002 - 3/31/2002 REGION / COUNTY: Southern / Salem County

REPORT RECIPIENT: PSEG NUCLEAR LLC

PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY: PSEG NUCLEAR LLC ALLOWAY CREEK NECK RD

| CHECK IF APPLICABLE: No Discharge this Monitoring Period | |
|--|--|
| MONITORING REPORT COMMENTS: | |
| | |
| | · · · · · · · · · · · · · · · · · · · |
| | |
| | |
| I certify under penalty of law that I have personally examined and am faindividuals immediately responsible for obtaining the information, I believe significant penalties for submitting false information, including the possibility | amiliar with the information submitted herein; and based on my inquiry of those the submitted information is true, accurate, and complete. I am aware that there are y of fine and imprisonment. See 18 U.S.C. § 1319. |
| (Penalties under these statutes may include fines up to \$10,000 and or a max | imum imprisonment of between 6 months and 5 years.) |
| David F. Garchow Vice President-Operations | cant. Harchon |
| NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGE | NT SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |
| (856) 339-6000 | 04/22/02 |
| AREA CODE / TELEPHONE NUMBER | DATE (MONTH / DAY / YEAR) |

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

487B SW Outfall 487B

3/1/2002 TO 3/31/2002

PSEG NUCLEAR LLC

| PARAMETER | | QUANTITY (| OR LOADING | UNITS | QUALI | TY OR CONCENTE | RATION | UNITS | NO. EX. | FREQ. OF ANALYSIS | SAMPLE TYPE |
|---|-------------------------|------------------|--|-------|---------------|------------------|----------------|-------|------------|----------------------|----------------|
| Flow, In Conduit or Thru Treatment Plant | SAMPLE MEASUREMENT | | | | **** | **** | ***** | | | | |
| 50050 1 Effluent Gross Value | PERMIT REQUIREMENT | REPORT 01MOAV | REPORT 01DAMX | MGD | ***** | 240214 | ***** | ***** | | 1/Batch | CALCTD |
| pH | SAMPLE MEASUREMENT | ***** | ***** | | | **** | | | | | |
| 00400 1 Effluent Gross Value | PERMIT REQUIREMENT | ****** | ceises | ***** | 6.0 01DAMN | ****** | 9.0 01DAMX | SU | | -1/Batch | GRAB |
| Solids, Total Suspended 00530 1 | SAMPLE MEASUREMENT | **** | **** | | ***** | | | | | | |
| Effluent Gross Value | PERMIT REQUIREMENT | anna V | | ***** | 51,7 ****** | REPORT 01MOAV | 100 01DAMX | MG/L | | 1/Batch | GRAB |
| Temperature, oC 00010 1 | SAMPLE MEASUREMENT | ***** | ***** | | **** | | | | | | |
| Effluent Gross Value | PERMIT REQUIREMENT | ****** | ************************************** | **** | ****** | REPORT 01MOAV | 43,3 01DAMX | DEG.C | | 1/Batch | GRAB |
| Petroleum Hydrocarbons 00551 1 | SAMPLE MEASUREMENT | ***** | ***** | | **** | | | | | | |
| Effluent Gross Value | PERMIT REQUIREMENT | a brints | ile pr Austra | **** | ***** | REPORT 01MOAV | 15 01DAMX | MG/L | | 1/Batch | GRAB |
| Carbon, Tot Organic (TOC) 00680 1 | SAMPLE MEASUREMENT | ***** | ***** | | **** | | | | | | |
| Effluent Gross Value | PERMIT - REQUIREMENT | ****** | 41.77 ******** | ***** | ***** | REPORT 01MOAV | 50 01DAMX | MG/L | | 1/Batch | GRAB |
| Lab Certification # | SAMPLE MEASUREMENT | | | | | | | | | | |
| 99999 99 Lab | PERMIT | REPORT | REPORT | | REPORT | REPORT | REPORT | | | Not Applic | NOT AP |

Comments: 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".

Pre-Print Creation Date: 1/1/2002

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0005622

MONITORING PERIOD:

MONITORING REPORT TYPE:Surface Water Discharge N

3/1/2002 - 3/31/2002

MONITORED LOCATION:

489A SW Outfall 489A

MONITORED LOCATION GROUP: N/A REGION / COUNTY:

Southern / Salem County

REPORT RECIPIENT: PSEG NUCLEAR LLC

PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY: PSEG NUCLEAR LLC

ALLOWAY CREEK NECK RD

| CHECK IF APPLICABLE: No Discharge this Monitoring Period | |
|---|--|
| MONITORING REPORT COMMENTS: | |
| | |
| | |
| | |
| I certify under penalty of law that I have personally examined and am familiandividuals immediately responsible for obtaining the information, I believe the significant penalties for submitting false information, including the possibility of | submitted information is true, accurate, and complete. I am aware that there are |
| (Penalties under these statutes may include fines up to \$10,000 and or a maximum | m imprisonment of between 6 months and 5 years.) |
| David F. Garchow Vice President-Operations | Canot Thick or |
| NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |
| (856) 339-6000 | 04/22/02 |
| AREA CODE / TELEPHONE NUMBER | DATE (MONTH / DAY / YEAR) |

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

489A SW Outfall 489A

3/1/2002 TO 3/31/2002

PSEG NUCLEAR LLC

| NJ0005622 | 489A | SW Outfall 48 | 39A 3 | 3/1/2002 1 | ГО 3/31/2002 | PSEG NUCL | EAR LLC | | | | |
|---|-------------------------|---------------------|------------------|------------|--------------------------|---|---------------------|-------|------------|------------|----------------|
| PARAMETER | X | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | UNITS | NO. EX. | | SAMPLE TYPE |
| Flow, In Conduit or Thru Treatment Plant 50050 1 | SAMPLE MEASUREMENT | 0./3/0 | 0./3/0 | | ***** | ***** | **** | | 0 | 1/Month | CALCTD |
| Effluent Gross Value | PERMIT : REQUIREMENT | REPORT 01MOAV | REPORT 01DAMX | MGD | The service of the | ****** | 14 (A)). ******* | ***** | | 1/Month | CALCTD |
| pH 00400 1 Effluent Gross Value | SAMPLE MEASUREMENT | **** | . ***** | | 7. 7 | **** | 7. 7 | | 0 | 1/Month | GRAB |
| | PERMIT REQUIREMENT | Carrier Committee | (Albert Castler) | ***** | 6.0 01DAMN | 1 11 11 11 11 11 11 11 11 11 11 11 11 1 | 9.0 - 01DAMX | รบ | | 1/Month | GRAB |
| Solids, Total Suspended 00530 1 Effluent Gross Value | SAMPLE MEASUREMENT | ***** | **** | | , | 1 | **** | | 0 | 1/Month | GRAB |
| | PERMIT REQUIREMENT | extent of T | ****** | ***** | 100 01DAMX | 30 01MOAV | ***** | MG/L | | 1/Month | GRAB |
| Petroleum Hydrocarbons 00551 1 Effluent Gross Value | SAMPLE MEASUREMENT | ***** | **** | | **** | 20.5 | <0.5 | | 0 | 1/Month | GRAB |
| | PERMIT REQUIREMENT | C. Printers | Andreas States | ***** | right states | 10 01MOAV | 15 01DAMX | MG/L | | 1/Month | GRAB |
| Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value | SAMPLE MEASUREMENT | ***** | **** | | ***** | < <i>1</i> | < 1 | | 0 | i/Month | GRAB |
| | PERMIT REQUIREMENT | extent (County) | M. Herri | **** | arters (| REPORT 01MOAV | 50 01DAMX | MG/L | | ≈1/Month. | GRAB |
| Lab Certification # 99999 99 Lab | SAMPLE MEASUREMENT | 17327 | 06431 | | 46405 | 77343 | | | | | 7,700 |
| | PERMIT REQUIREMENT | REPORT Lab# | REPORT | | REPORT Lab# | REPORT | - REPORT Lab# | | ist. | Not Applic | NOT AP: |

Comments: If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the the BPSP - Region 2 at (609)292-4860 or via email at "srosenwi@dep.state.nj.us".

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