



LR-E05-0148
March 22, 2005

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 7003 0500 0003 4363 8992

**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 February 2005.

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,

A handwritten signature in black ink that reads "Thomas P. Joyce".

Thomas P. Joyce
Site Vice President -Salem

Attachments

Handwritten initials "TJ25" in black ink, located in the bottom right corner of the page.

C Executive Director – DRBC
 USNRC – Document Control Desk Unit#1-50-272 Unit#2-50-311
 Director – Nuclear Assurance
 C. McAuliffe, Esq.
 D. Hurka
 E. Keating
 SCH05-009

NJPDES Report
Explanation of Deviations
February 2005

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

<u>DSN No.</u>	<u>EXPLANATION</u>
489	See attached Five Day Report

Additional Information

On February 2, 2005 PSEG Nuclear LLC (PSEG) reported the observation of a visible sheen of oil at Discharge Serial Number (DSN) 489. PSEG investigated the cause of this excursion and has determined that the sheen was caused by the introduction of surfactants into the oil water separator (OWS). The surfactants were introduced via a turbine building sump when spent mop water was improperly disposed of. The surfactants emulsified oil in the OWS rendering the treatment system ineffective and causing a sheen to be discharged. The OWS has been inspected and cleaned. The collection system for the OWS was pumped down until the presence of surfactants were at an acceptable level. In order to prevent reoccurrence personnel have been coached on the proper disposal of chemicals used for cleaning around the facility.

DB

FEB 07 2005

LR-E05-0086



Certified Mail
Return Receipt Requested
Article Number: 7004 2510 0005 2135 7998

Administrator of Water Compliance and Enforcement
New Jersey Department of Environmental Protection
401 East State Street, 4th Floor East
PO Box 422
Trenton, New Jersey 08625-0422

**RE: PSEG Nuclear LLC - Salem Generating Station
NJPDES Permit No. NJ0005622
NJDEP Case No. 05-02-02-1047-55
Five Day Report**

Dear Sir/Madam:

In accordance with N.J.A.C. 7:14A-6.10 Noncompliance Reporting, PSEG Nuclear LLC is submitting this report concerning the observation of a visible sheen of oil at Discharge Serial Number (DSN) 489. The discharge was reported to the New Jersey Department of Environmental Protection (NJDEP) hotline and assigned case number 05-02-02-1047-55. This discharge was also reported to the Nuclear Regulatory Commission and the National Response Center and assigned case number 748950. This report contains the following information as known at the time of this report. In accordance with the regulations, additional information regarding this discharge will be provided as it becomes available.

1. A description of the discharge, including the time of the discharge, the location of discharge, the volume of the discharge, the concentration of pollutants discharged, and the receiving water of the discharge;

On February 2, 2005 at approximately 1034 hours, while performing routine duties, a chemistry technician observed a light sheen in the effluent chamber of the Oil Water Separator (OWS) treatment system. Upon further investigation the technician observed two silvery grey sheens of oil approximately ten feet by five feet and ten feet by ten feet on the receiving waters in close proximity to the outfall of the OWS (DSN 489) at Salem

FEB 07 2005

Administrator of Water Compliance and Enforcement
LR-E05-0086

Generating Station. It is estimated that the total amount of oil that produced the sheens was approximately two ounces. DSN 489 is the outfall of the OWS, which discharges to the Delaware River.

2. Steps being taken to determine the cause of the permit noncompliance;

The OWS treatment system is comprised of two separate (designated Units 1 and 2) American Petroleum Institute (API) parallel plate separators utilizing a series of coalescer packs for final treatment prior to discharge. The influent to the system consists of flow from various yard drains, internal sumps and transformer containments. The waste stream to the OWS is gravity fed and after passing through the treatment system collects in a final lift station where it is pumped to the outfall based on automatic level indication.

In order to determine the cause of the noncompliance, samples were obtained from the river between outfall DSN 489 and the absorbent boom that was put in place as a precautionary measure (Sample #1), the river outside of the absorbent boom (Sample #2), from a catch basin upstream of the OWS (Sample #3), and from the influent collection chamber of the OWS (Sample #4). These samples were analyzed for total petroleum hydrocarbons with the following results;

Sample #1 – 0.42 mg/l

Sample #2 – 0.42 mg/l

Sample #3 – 0.51 mg/l

Sample #4 – 3.81 mg/l

All the sample results are well below the established permit limit of 10 mg/l as a monthly average and are not likely to have contributed to the observed sheen.

Observations have been made of the various catch basins feeding the OWS and no sheens were noted. The coalescer packs of the Unit 1 separator have been removed and inspected with no deficiencies noted. Plans are underway to remove and inspect Unit 2's coalescer packs. Additionally, a team of site personnel has been assembled to investigate the potential cause of this noncompliance.

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Administrator of Water Compliance and Enforcement
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3. Steps being taken to reduce, remediate, and eliminate the noncomplying discharge and any damage to the environment, and the anticipated time frame to initiate and complete the steps to be taken;

After discovering the sheen on the receiving waters, the chemistry technician immediately isolated the discharge from the OWS at approximately 1037 hours effectively eliminating the discharge. Spill response personnel evaluated the sheen and determined that due to its characteristics, the oil was not recoverable. As a preventive measure, oil absorbent boom was placed at the outfall. Based upon visual observation and in light of the small amount of oil observed, it is estimated there was little to no threat to the environment.

4. The duration of the discharge, including the dates and times of the commencement and, for an unanticipated bypass, the dates and times of the end or anticipated end of the discharge, and if the discharge has not been corrected, the anticipated time when the permittee will correct the situation and return the discharge to compliance;

It is unknown when the actual discharge began, however no sheen had been observed on the days immediately preceding the event. The discharge was discovered at 1034 hours on February 2, 2005 and stopped at 1037 hours on February 2, 2005.

5. The cause of the noncompliance;

The cause of the noncompliance is currently under investigation. In accordance with the regulations the results of the investigation will be transmitted to the NJDEP within ten days after they become available.

6. Steps being taken to reduce, eliminate, and prevent reoccurrence of the noncomplying discharge;

The noncomplying discharge has been eliminated. Currently the OWS remains out of service pending results of the investigation. Steps to prevent reoccurrence are dependant upon the results from the cause investigation and in accordance with the regulations will be transmitted to the NJDEP within ten days after they become available.

FEB 07 2005

Administrator of Water Compliance and Enforcement
LR-E05-0086

7. An estimate of the threat to human health or the environment posed by the discharge;
and

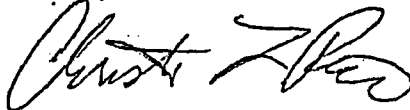
Based upon visual observation and in light of the small amount of oil observed, it is estimated there was little to no threat to human health or the environment.

8. The measures the permittee has taken or is taking to remediate the problem and any damage or injury to human health or the environment, and to avoid a repetition of the problem.

To date the permittee has eliminated the discharge, deployed oil absorbent boom at the outfall as a preventive measure and is currently investigating the cause of the noncomplying discharge. As stated above, spill response personnel evaluated the sheen and determined that due to its characteristics, the oil was not recoverable.

If you have any questions regarding this information, please contact Mr. David K. Hurka of my staff at (856) 339-1275.

Sincerely,



Christina L. Perino
Director - Regulatory Assurance

FEB 07 2005

Administrator of Water Compliance and Enforcement
LR-E05-0086


C NJDEP
Southern Enforcement Office
One Port Center
2 Riverside Drive, Suite 201
Camden, NJ 08102
Attn: Mr. Steven Mathis

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

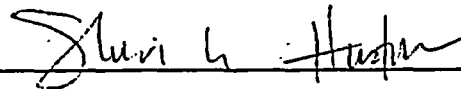
COUNTY OF SALEM
STATE OF NEW JERSEY

I, Thomas P. Joyce, of full age, being duly sworn according to law, upon my oath depose and say:

1. 1. I Thomas P. Joyce, Site Vice President of Salem 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. 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. 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.


Thomas P. Joyce
Site Vice President -Salem

Sworn and subscribed before me
this 22 day of March 2005



SHERI L. HUSTON
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 1-5-09

New Jersey Department of Environmental Protection
Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD						MONITORED LOCATION:	
	Month	Day	Year	To	Month	Day		Year
NJ0005622	2	1	2005		2	28	2005	FACA – SW Outfall FACA

PERMITTEE:
PSE&G NUCLEAR LLC
PO BOX 236/N21
ALLOWAY CREEK NEAK RD
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:
PSE&G NUCLEAR LLC
ALLOWAY CREEK NECK RD
LOWER ALLOWAYS CREEK, NJ 08038-0000


REPORT RECIPIENT:
PSE&G NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

CHECK IF APPLICABLE: No Discharge this Monitoring Period Monitoring Report Comments Attached

WHO MUST SIGN The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

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 that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey water Pollution Control Act provides for penalties up to \$50,000 per violation.

Thomas P. Joyce, Site Vice President-Salem	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	03/22/2005 856-339-2086
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER

*For a local agency where the highest-ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall sign the following certification:

I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have reviewed the attached discharge monitoring reports.

N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: VJ0005622 MONITORED LOCATION: FACA SW Outfall FACA MONITORING PERIOD: 2/1/2005 TO 2/28/2005 FACILITY NAME: PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING	UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, °C	SAMPLE MEASUREMENT	*****	*****	*****	2.7	4.0		0	CONTINUOUS	CONTIN
0010 G Raw Sew/Influent	PERMIT REQUIREMENT	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	CONTIN
	QL	*****	*****	*****	*****	*****				
Temperature, °C	SAMPLE MEASUREMENT	*****	*****	*****	11.0	17.8		0	CONTINUOUS	CONTIN
0010 1 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	*****	REPORT 01MOAV	43.3 REPORT 01DAMX	DEG.C		Continuous	CONTIN
	QL	*****	*****	*****	*****	*****				
Temperature, °C	SAMPLE MEASUREMENT	*****	*****	*****	8.3	10.0		0	1/Day	CALC'D
0010 2 Effluent Net Value	PERMIT REQUIREMENT	*****	*****	*****	REPORT 01MOAV	15.3 REPORT 01DAMX	DEG.C		1/Day	CALC'D
	QL	*****	*****	*****	*****	*****				
Lab Certification #	SAMPLE MEASUREMENT	17327	06431	2A343	17451					
9999 99 Lab	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #	REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****	*****	*****	*****				

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".

New Jersey Department of Environmental Protection
Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD						MONITORED LOCATION:	
	Month	Day	Year	To	Month	Day		Year
NJ0005622	2	1	2005		2	28	2005	FACB – SW Outfall FACB

PERMITTEE:
PSE&G NUCLEAR LLC
PO BOX 236/N21
ALLOWAY CREEK NEAK RD
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:
PSE&G NUCLEAR LLC
ALLOWAY CREEK NECK RD
LOWER ALLOWAYS CREEK, NJ 08038-0000


REPORT RECIPIENT:
PSE&G NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

CHECK IF APPLICABLE: No Discharge this Monitoring Period Monitoring Report Comments Attached

WHO MUST SIGN The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

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 that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey water Pollution Control Act provides for penalties up to \$50,000 per violation.

Thomas P. Joyce, Site Vice President-Salem	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	03/22/2005 856-339-2086
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER

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I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have reviewed the attached discharge monitoring reports.

N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: J0005622
 MONITORED LOCATION: FACB SW Outfall FACB
 MONITORING PERIOD: 2/1/2005 TO 2/28/2005
 FACILITY NAME: PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, °C	SAMPLE MEASUREMENT	*****	*****	*****	*****	2.7	4.0	DEG.C	9	Continuous	Contin
010 G Sew/Influent	PERMIT REQUIREMENT			*****		REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	GL										
Temperature, °C	SAMPLE MEASUREMENT	*****	*****	*****	*****	11.6	13.3	DEG.C	0	Continuous	Contin
010 1 Effluent Gross Value	PERMIT REQUIREMENT			*****		REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	GL										
Temperature, °C	SAMPLE MEASUREMENT	*****	*****	*****	*****	9.0	9.8	DEG.C	0	1/Day	Calcd
010 2 Effluent Net Value	PERMIT REQUIREMENT			*****		REPORT 01MOAV	REPORT 01DAMX			1/Day	CALC TD
	GL										
Lab Certification #	SAMPLE MEASUREMENT	17327	06431		PA343	17451					
9999 99 Lab	PERMIT REQUIREMENT	REPORT Lab	REPORT Lab		REPORT Lab	REPORT Lab	REPORT Lab			Not Applicable	NOT AP
	GL										

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".

New Jersey Department of Environmental Protection
Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: FACC – SW Outfall FACC
	Month 2	Day 1	Year 2005	To	Month 2	Day 28	

PERMITTEE:
PSE&G NUCLEAR LLC
PO BOX 236/N21
ALLOWAY CREEK NEAK RD
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:
PSE&G NUCLEAR LLC
ALLOWAY CREEK NECK RD
LOWER ALLOWAYS CREEK, NJ 08038-0000

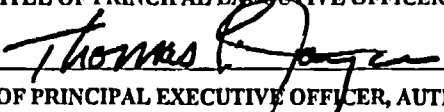
REPORT RECIPIENT:
PSE&G NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

CHECK IF APPLICABLE: No Discharge this Monitoring Period Monitoring Report Comments Attached

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Thomas P. Joyce, Site Vice President-Salem	N/A
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	03/22/2005 856-339-2086
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER

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I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have reviewed the attached discharge monitoring reports.

N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Surface Water Discharge Monitoring Report

1170017

PERMIT NUMBER: UJ0005622 MONITORED LOCATION: FACC SW Outfall FACC MONITORING PERIOD: 2/1/2005 TO 2/28/2005 FACILITY NAME: PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Treatment Plant 0050 G Raw Sew/Influent	SAMPLE MEASUREMENT	2509	2625	MGD	*****	*****	*****	*****	Ø	1/Day	Calcd
	PERMIT REQUIREMENT	3024 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	1/Day	CALCTD
	QL	*****	*****		*****	*****	*****		*****	*****	*****
Thermal Discharge Million BTUs per Hr 0015 2 Effluent Net Value	SAMPLE MEASUREMENT	13840	14482	MBTU/HR	*****	*****	*****	*****	Ø	1/Day	Calcd
	PERMIT REQUIREMENT	REPORT 01MOAV	30600 01DAMX		*****	*****	*****		*****	1/Day	CALCTD
	QL	*****	*****		*****	*****	*****		*****	*****	*****
Lab Certification # 19999 99 Lab	SAMPLE MEASUREMENT	17327	06431		PA343	17451					
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****		*****	*****	*****

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New Jersey Department of Environmental Protection
Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 048C – SW Outfall 48C
	Month 2	Day 1	Year 2005	To	Month 2	Day 28	

PERMITTEE:
PSE&G NUCLEAR LLC
PO BOX 236/N21
ALLOWAY CREEK NEAK RD
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:
PSE&G NUCLEAR LLC
ALLOWAY CREEK NECK RD
LOWER ALLOWAYS CREEK, NJ 08038-0000


REPORT RECIPIENT:
PSE&G NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

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Thomas P. Joyce, Site Vice President-Salem	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
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I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have reviewed the attached discharge monitoring reports.

N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Surface Water Discharge Monitoring Report

1140017

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

IJ0005622

048C SW Outfall 48C

2/1/2005 TO 2/28/2005

PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or In Treatment Plant 3050 1 Effluent Gross Value	SAMPLE MEASUREMENT	0.2048	0.4825	MGD	*****	*****	*****	*****	0	1/Day	Calcd
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	1/Day	CALC'D
	QL	*****	*****		*****	*****	*****		*****	*****	*****
Solids, Total Suspended 0530 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	9	10	MG/L	0	2/Month	Compos
	PERMIT REQUIREMENT	*****	*****		*****	30 01MOAV	100 01DAMX		*****	2/Month	COMPOS
	QL	*****	*****		*****	*****	*****		*****	*****	*****
Nitrogen, Ammonia Total (as N) 0610 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	12	15	MG/L	0	2/Month	Compos
	PERMIT REQUIREMENT	*****	*****		*****	35 01MOAV	70 01DAMX		*****	2/Month	COMPOS
	QL	*****	*****		*****	*****	*****		*****	*****	*****
Petroleum Hydrocarbons 0551 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	20.5	20.5	MG/L	0	2/Month	Grab
	PERMIT REQUIREMENT	*****	*****		*****	10 01MOAV	15 01DAMX		*****	2/Month	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****	*****
Carbon, Tot Organic (TOC) 0680 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	11	13	MG/L	0	2/Month	Compos
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	50 01DAMX		*****	2/Month	COMPOS
	QL	*****	*****		*****	*****	*****		*****	*****	*****
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17327	06431		PA 343	17451					
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		REPORT Lab #	Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****		*****	*****	*****

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".

New Jersey Department of Environmental Protection
Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 481A - SW Outfall 481A
	Month 2	Day 1	Year 2005	To	Month 2	Day 28	

PERMITTEE:
PSE&G NUCLEAR LLC
PO BOX 236/N21
ALLOWAY CREEK NEAK RD
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:
PSE&G NUCLEAR LLC
ALLOWAY CREEK NECK RD
LOWER ALLOWAYS CREEK, NJ 08038-0000


REPORT RECIPIENT:
PSE&G NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

CHECK IF APPLICABLE: No Discharge this Monitoring Period Monitoring Report Comments Attached

WHO MUST SIGN The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

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 that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey water Pollution Control Act provides for penalties up to \$50,000 per violation.

Thomas P. Joyce, Site Vice President-Salem	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	03/22/2005 856-339-2086
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER

*For a local agency where the highest-ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall sign the following certification:

I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have reviewed the attached discharge monitoring reports.

N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Trace Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: 0005622 MONITORED LOCATION: 481A SW Outfall 481A MONITORING PERIOD: 2/1/2005 TO 2/28/2005 FACILITY NAME: PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE	
Flow, In Conduit or Treatment Plant 50 1 luent Gross Value	SAMPLE MEASUREMENT	475	476	MGD	*****	*****	*****	*****	0	1/Day	Calcd	
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	1/Day	CALC'D	
	QL	*****	*****		*****	*****	*****		*****	*****	*****	
Flow 1 luent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	6.9	*****	7.7	SU	0	1/Week	Grab	
	PERMIT REQUIREMENT	*****	*****		*****	6.0 01DAMN	*****		9.0 01DAMX	*****	1/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****	*****	
Flow 7 ake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	7.3	*****	7.8	SU	0	1/Week	Grab	
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01DAMN	*****		REPORT 01DAMX	*****	1/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****	*****	
Flow 50 Statre 96hr Acu prinodon N6A 1 luent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	Code=N	*****	*****	%EFFL	0	Code=N	Code=N	
	PERMIT REQUIREMENT	*****	*****		*****	50 01DAMN	*****		*****	*****	2Year	COMPOS
	QL	*****	*****		*****	*****	*****		*****	*****	*****	
Iodine Produced Iodants POX 1 luent Gross Value ation 1	SAMPLE MEASUREMENT	*****	*****	*****	*****	Code=N	Code=N	MG/L	0	Code=N	Code=N	
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.3 01MOAV		0.5 01DAMX	*****	3/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****	*****	
Iodine Produced Iodants POX 1 luent Gross Value ation 2	SAMPLE MEASUREMENT	*****	*****	*****	*****	20.1	20.1	MG/L	0	3/Week	Grab	
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		0.2 01DAMX	*****	3/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****	*****	

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.

Surface Water Discharge Monitoring Report

P140514

PERMIT NUMBER: MONITORED LOCATION: MONITORING PERIOD: FACILITY NAME:
 NJ0005622 481A SW Outfall 481A 2/1/2005 TO 2/28/2005 PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, C 0010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	10.8	13.3		0	1/DAY	CONTIN
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 9999 99 Lab	SAMPLE MEASUREMENT	17327	06431		71343	17451					
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				

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.

New Jersey Department of Environmental Protection
Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 482A – SW Outfall 482A
	Month 2	Day 1	Year 2005	To	Month 2	Day 28	

PERMITTEE:
PSE&G NUCLEAR LLC
PO BOX 236/N21
ALLOWAY CREEK NEAK RD
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:
PSE&G NUCLEAR LLC
ALLOWAY CREEK NECK RD
LOWER ALLOWAYS CREEK, NJ 08038-0000


REPORT RECIPIENT:
PSE&G NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

CHECK IF APPLICABLE: No Discharge this Monitoring Period Monitoring Report Comments Attached

WHO MUST SIGN The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

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 that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey water Pollution Control Act provides for penalties up to \$50,000 per violation.

Thomas P. Joyce, Site Vice President-Salem	N/A	
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)	
	03/22/2005	856-339-2086
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE	AREA CODE/PHONE NUMBER

*For a local agency where the highest-ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall sign the following certification:

I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have reviewed the attached discharge monitoring reports.

N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Surface Water Discharge Monitoring Report

PI 40814

PERMIT NUMBER: IJ0005622
 MONITORED LOCATION: 482A SW Outfall 482A
 MONITORING PERIOD: 2/1/2005 TO 2/28/2005
 FACILITY NAME: PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Waste Treatment Plant 0050 1 Effluent Gross Value	SAMPLE MEASUREMENT	424	453	MGD	*****	*****	*****	*****	0	1/Day	CALCTD
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	1/Day	CALCTD
	QL	*****	*****		*****	*****	*****		*****		
H 0400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.2	*****	7.8	SU	0	1/Week	Grab
	PERMIT REQUIREMENT	*****	*****		6.0 01DAMN	*****	9.0 01DAMX		*****	1/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****		
H 0400 7 Take From Stream	SAMPLE MEASUREMENT	*****	*****	*****	7.3	*****	7.8	SU	0	1/Week	Grab
	PERMIT REQUIREMENT	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX		*****	1/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****		
C50 Statre 96hr Acu pyrinodon AN6A 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	Code=N	*****	*****	%EFFL	0	Code=N	Code=N
	PERMIT REQUIREMENT	*****	*****		50 01DAMN	*****	*****		*****	2/Year	COMPOS.
	QL	*****	*****		*****	*****	*****		*****		
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value Option 1	SAMPLE MEASUREMENT	*****	*****	*****	*****	Code=N	Code=N	MGL	0	Code=N	Code=N
	PERMIT REQUIREMENT	*****	*****		*****	0.3 01MOAV	0.5 01DAMX		*****	3/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****		
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value Option 2	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	<0.1	MGL	0	3/Week	Grab
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX		*****	3/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****		

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.

Surface Water Discharge Monitoring Report

FI 40014

PERMIT NUMBER: MONITORED LOCATION: MONITORING PERIOD: FACILITY NAME:
 IJ0005622 482A SW Outfall 482A 2/1/2005 TO 2/28/2005 PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, DSN 48C Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	17.1	16.3		0	1/Day	CONTIN
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		1/Day	CONTIN
	QL	*****	*****	*****	*****	*****	*****				
Lab Certification # 3999 99 Lab	SAMPLE MEASUREMENT	17327	06431		PA 343	17451					
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****	*****	*****	*****	*****				

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.

New Jersey Department of Environmental Protection
Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 483A – SW Outfall 483A
	Month 2	Day 1	Year 2005	To	Month 2	Day 28	

PERMITTEE:
PSE&G NUCLEAR LLC
PO BOX 236/N21
ALLOWAY CREEK NEAK RD
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:
PSE&G NUCLEAR LLC
ALLOWAY CREEK NECK RD
LOWER ALLOWAYS CREEK, NJ 08038-0000

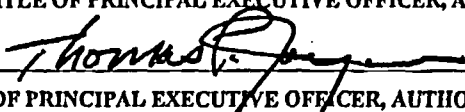
REPORT RECIPIENT:
PSE&G NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

CHECK IF APPLICABLE: No Discharge this Monitoring Period Monitoring Report Comments Attached

WHO MUST SIGN The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

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 that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey water Pollution Control Act provides for penalties up to \$50,000 per violation.

Thomas P. Joyce, Site Vice President-Salem	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	03/22/2005 856-339-2086
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER

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I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have reviewed the attached discharge monitoring reports.

N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: MONITORED LOCATION: MONITORING PERIOD: FACILITY NAME:
 IJ0005622 483A SW Outfall 483A 2/1/2005 TO 2/28/2005 PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING	UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Treatement Plant 0050 1 Effluent Gross Value	SAMPLE MEASUREMENT	458	448	*****	*****	*****	*****	0	1/Day	CALCRO
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	*****	*****	*****	*****	1/Day	CALCTD	
	QL	*****	*****	*****	*****	*****	*****	*****	*****	
H 0400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	7.1	*****	7.8	*****	0	1/Week	Grab
	PERMIT REQUIREMENT	*****	*****	6.0 01DAMN	*****	9.0 01DAMX	SU	1/Week	GRAB	
	QL	*****	*****	*****	*****	*****	*****	*****	*****	
H 0400 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	7.3	*****	7.8	*****	0	1/Week	Grab
	PERMIT REQUIREMENT	*****	*****	REPORT 01DAMN	*****	REPORT 01DAMX	SU	1/Week	GRAB	
	QL	*****	*****	*****	*****	*****	*****	*****	*****	
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value Option 1	SAMPLE MEASUREMENT	*****	*****	*****	Code=N	Code=N	*****	0	Code=N	Code=N
	PERMIT REQUIREMENT	*****	*****	*****	0.3 01MOAV	0.5 01DAMX	MG/L	3/Week	GRAB	
	QL	*****	*****	*****	*****	*****	*****	*****	*****	
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value Option 2	SAMPLE MEASUREMENT	*****	*****	*****	<0.1	<0.1	*****	0	3/Week	Grab
	PERMIT REQUIREMENT	*****	*****	*****	REPORT 01MOAV	0.2 01DAMX	MG/L	3/Week	GRAB	
	QL	*****	*****	*****	*****	*****	*****	*****	*****	
Temperature, °C 0010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	11.5	17.1	*****	0	1/Day	CONTIN
	PERMIT REQUIREMENT	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C	1/Day	CONTIN	
	QL	*****	*****	*****	*****	*****	*****	*****	*****	

Comments: Any questions in regards to the monitoring report form can be directed to S. Rosenwinkel of the BPSP - Region 2 at (609)292-4860.

Surface Water Discharge Monitoring Report

FI 40014

PERMIT NUMBER: MONITORED LOCATION: MONITORING PERIOD: FACILITY NAME:
 IJ0005622 483A SW Outfall 483A 2/1/2005 TO 2/28/2005 PSEG NUCLEAR LLC

PARAMETER	X	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
1999 99 3b	SAMPLE MEASUREMENT	17327	06431		PA343	17457					
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				

Comments: Any questions in regards to the monitoring report form can be directed to S. Rosenwinkel of the BPSP - Region 2 at (609)292-4860.

New Jersey Department of Environmental Protection
Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 484A - SW Outfall 484A
	Month 2	Day 1	Year 2005	To	Month 2	Day 28	

PERMITTEE:
PSE&G NUCLEAR LLC
PO BOX 236/N21
ALLOWAY CREEK NEAK RD
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:
PSE&G NUCLEAR LLC
ALLOWAY CREEK NECK RD
LOWER ALLOWAYS CREEK, NJ 08038-0000

REPORT RECIPIENT:
PSE&G NUCLEAR LLC
PO BOX-236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County


CHECK IF APPICABLE:

No Discharge this Monitoring Period

Monitoring Report Comments Attached

WHO MUST SIGN The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

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Thomas P. Joyce, Site Vice President-Salem	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	03/22/2005 856-339-2086
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER

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N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 484A SW Outfall 484A
 MONITORING PERIOD: 2/1/2005 TO 2/28/2005
 FACILITY NAME: PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	433	437	MGD	*****	*****	*****	*****	Ø	1/Day	CALCTD
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.2	*****	7.8	SU	Ø	1/Week	Grab
	PERMIT REQUIREMENT	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	7.3	*****	7.8	SU	Ø	1/Week	Grab
	PERMIT REQUIREMENT	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	Code=N	*****	*****	%EFFL	Ø	Code=N	Code=N
	PERMIT REQUIREMENT	*****	*****		50 01DAMN	*****	*****				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value Option 1	SAMPLE MEASUREMENT	*****	*****	*****	*****	Code=N	Code=N	MG/L	Ø	Code=N	Code=N
	PERMIT REQUIREMENT	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value Option 2	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	<0.1	MG/L	Ø	3/Week	Grab
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				

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.

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 484A SW Outfall 484A
 MONITORING PERIOD: 2/1/2005 TO 2/28/2005
 FACILITY NAME: PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, °C 00010 1 Effluent Gross Value	X	*****	*****		*****	11.8	17.9		Ø	1/DAY	CONT: 11
	SAMPLE MEASUREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		1/Day	CONTIN
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	QL	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17327	06431		PA343	17451					
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

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.

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 485A SW Outfall 485A
 MONITORING PERIOD: 2/1/2005 TO 2/28/2005
 FACILITY NAME: PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE	
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	418	425	MGD	*****	*****	*****	*****	Ø	1/Day	Calcd	
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****		*****			
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	6.8	*****	7.9	SU	Ø	1/Week	Grab	
	PERMIT REQUIREMENT	*****	*****		*****	6.0 01DAMN	*****		9.0 01DAMX	*****	1/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****		
pH 00400 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	7.3	*****	7.8	SU	Ø	1/Week	Grab	
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01DAMN	*****		REPORT 01DAMX	*****	1/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****		
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	Code=N	*****	*****	%EFFL	Ø	Code=N	Code=N	
	PERMIT REQUIREMENT	*****	*****		*****	50 01DAMN	*****		*****	*****	2/Year	COMPOS
	QL	*****	*****		*****	*****	*****		*****	*****		
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value Option 1	SAMPLE MEASUREMENT	*****	*****	*****	*****	Code=N	Code=N	MG/L	Ø	Code=N	Code=N	
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.3 01MOAV		0.5 01DAMX	*****	3/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****		
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value Option 2	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	<0.1	MG/L	Ø	3/Week	Grab	
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		0.2 01DAMX	*****	3/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****		

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.

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 485A-SW Outfall 485A
 MONITORING PERIOD: 2/1/2005 TO 2/28/2005
 FACILITY NAME: PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING	UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, °C	SAMPLE MEASUREMENT	*****	*****	*****	11.9	17.7		0	1/Day	CONTIN
00010 1 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		1/Day	CONTIN
	QL	*****	*****	*****	*****	*****				
Lab Certification #	SAMPLE MEASUREMENT	17327	06431	PA343	17451					
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #	REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****	*****	*****	*****				

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.

New Jersey Department of Environmental Protection
Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 486A - SW Outfall 486A
	Month 2	Day 1	Year 2005	To	Month 2	Day 28	

PERMITTEE:

PSE&G NUCLEAR LLC
PO BOX 236/N21
ALLOWAY CREEK NEAK RD
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:

PSE&G NUCLEAR LLC
ALLOWAY CREEK NECK RD
LOWER ALLOWAYS CREEK, NJ 08038-0000

REPORT RECIPIENT:

PSE&G NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

CHECK IF APPLICABLE:

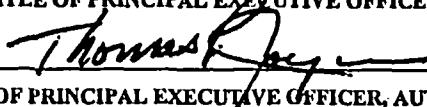
No Discharge this Monitoring Period

Monitoring Report Comments Attached

WHO MUST SIGN

The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

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 that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey water Pollution Control Act provides for penalties up to \$50,000 per violation.

Thomas P. Joyce, Site Vice President-Salem	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	03/22/2005 856-339-2086
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER

**For a local agency where the highest-ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall sign the following certification:*

I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have reviewed the attached discharge monitoring reports.

N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622 MONITORED LOCATION: 486A SW Outfall 486A MONITORING PERIOD: 2/1/2005 TO 2/28/2005 FACILITY NAME: PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE	
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	404	452	MGD	*****	*****	*****	*****	Ø	1/DAY	Calcd	
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****		*****			
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.1	*****	7.9	SU	Ø	1/Week	Grab	
	PERMIT REQUIREMENT	*****	*****		*****	6.0 01DAMN	*****		9.0 01DAMX	*****	1/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****		
pH 00400 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	7.3	*****	7.8	SU	Ø	1/Week	Grab	
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01DAMN	*****		REPORT 01DAMX	*****	1/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****		
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value Option 1	SAMPLE MEASUREMENT	*****	*****	*****	*****	Code=N	Code=N	MG/L	Ø	Code=N	Code=N	
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.3 01MOAV		0.5 01DAMX	*****	3/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****		
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value Option 2	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	50.1	MG/L	Ø	3/Week	Grab	
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		0.2 01DAMX	*****	3/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****		
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	11.7	17.2	DEG.C	Ø	1/DAY	CONTIN	
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		REPORT 01DAMX	*****	1/Day	CONTIN
	QL	*****	*****		*****	*****	*****		*****	*****		

Comments: Any questions in regards to the monitoring report form can be directed to S. Rosenwinkel of the BPSP - Region 2 at (609)292-4860.

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622 MONITORED LOCATION: 486A SW Outfall 486A MONITORING PERIOD: 2/1/2005 TO 2/28/2005 FACILITY NAME: PSEG NUCLEAR LLC

PARAMETER	X	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Lab Certification #	SAMPLE MEASUREMENT	17327	06431		PA343	17451					
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	REQUIRE										

Comments: Any questions in regards to the monitoring report form can be directed to S. Rosenwinkel of the BPSP - Region 2 at (609)292-4860.

New Jersey Department of Environmental Protection
Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 489A – SW Outfall 489A
	Month 2	Day 1	Year 2005	To	Month 2	Day 28	

PERMITTEE:
PSE&G NUCLEAR LLC
PO BOX 236/N21
ALLOWAY CREEK NEAK RD
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:
PSE&G NUCLEAR LLC
ALLOWAY CREEK NECK RD
LOWER ALLOWAYS CREEK, NJ 08038-0000


REPORT RECIPIENT:
PSE&G NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

CHECK IF APPLICABLE: No Discharge this Monitoring Period Monitoring Report Comments Attached

WHO MUST SIGN The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

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 that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey water Pollution Control Act provides for penalties up to \$50,000 per violation.

Thomas P. Joyce, Site Vice President-Salem	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	03/22/2005 856-339-2086
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER

**For a local agency where the highest-ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall sign the following certification:*

I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have reviewed the attached discharge monitoring reports.

N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Irrigation Water Discharge Monitoring Report

PI 46814

ERMIT NUMBER: MONITORED LOCATION: MONITORING PERIOD: FACILITY NAME:

J0005622 489A SW Outfall 489A 2/1/2005 TO 2/28/2005 PSEG NUCLEAR LLC

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE				
Flow, In Conduit or Treatment Plant	SAMPLE MEASUREMENT	0.0497	0.0497	MGD	*****	*****	*****	*****	0	1/MONTH	CALCD				
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****					*****	*****	*****	*****
	QL	*****	*****		*****	*****	*****					*****	*****	*****	*****
Fluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.3	*****	7.3	SU	0	1/MONTH	Grab				
	PERMIT REQUIREMENT	*****	*****		6.0 01DAMN	*****	9.0 01DAMX					*****	*****	*****	*****
	QL	*****	*****		*****	*****	*****					*****	*****	*****	*****
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****	*****	2	2	*****	MG/L	0	1/MONTH	Grab				
	PERMIT REQUIREMENT	*****	*****		100 01DAMX	30 01MOAV	*****					*****	*****	*****	
	QL	*****	*****		*****	*****	*****					*****	*****	*****	*****
Petroleum Hydrocarbons	SAMPLE MEASUREMENT	*****	*****	*****	*****	2	2	MG/L	0	1/MONTH	Grab				
	PERMIT REQUIREMENT	*****	*****		*****	10 01MOAV	15 01DAMX					*****	*****	*****	
	QL	*****	*****		*****	*****	*****					*****	*****	*****	*****
Carbon, Tot Organic (OC)	SAMPLE MEASUREMENT	*****	*****	*****	*****	6	6	MG/L	0	1/MONTH	Grab				
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	50 01DAMX					*****	*****	*****	
	QL	*****	*****		*****	*****	*****					*****	*****	*****	*****
Lab Certification #	SAMPLE MEASUREMENT	17327	06431	*****	PA 343	17451	*****	*****	*****	*****	*****				
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #					*****	*****	*****	
	QL	*****	*****		*****	*****	*****					*****	*****	*****	*****

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".

New Jersey Department of Environmental Protection
Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 487B - SW Outfall 487B
	Month 2	Day 1	Year 2005	To	Month 2	Day 28	

PERMITTEE:
PSE&G NUCLEAR LLC
PO BOX 236/N21
ALLOWAY CREEK NEAK RD
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:
PSE&G NUCLEAR LLC
ALLOWAY CREEK NECK RD
LOWER ALLOWAYS CREEK, NJ 08038-0000


REPORT RECIPIENT:
PSE&G NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

CHECK IF APPLICABLE: No Discharge this Monitoring Period Monitoring Report Comments Attached

WHO MUST SIGN. The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

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Thomas P. Joyce, Site Vice President-Salem	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	03/22/2005 856-339-2086
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER

*For a local agency where the highest-ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall sign the following certification:

I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have reviewed the attached discharge monitoring reports.

N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER