

SEP 23 2008



SCH08-106

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED  
ARTICLE NUMBER: 7006 0100 0004 0657 9355

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

**NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM  
DISCHARGE MONITORING REPORT  
SALEM GENERATING STATION  
NJPDES PERMIT NJ0005622**

Dear Sir:

Attached is the Discharge Monitoring Report for the Salem Generating Station for the month of August 2008. Additionally, the tracer evaluation report for Unit 2 is attached as required by permit condition G.1.b.ii.

This report is required by and prepared specifically for 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 are controlled by the EPA and the NJDEP, not by the company, and there are limitations on the accuracy of such measurement devices and analytical techniques even when used and maintained as required. Accordingly, this report is not intended as an assertion that any instrument has measured, or that any reading or analytical result represents the true value with absolute accuracy, nor is it an endorsement of the suitability of any analytical or measurement procedure.

If you have any questions concerning this report, please feel free to contact Greg Suey at (856) 339-5066.

Sincerely,

A handwritten signature in black ink, appearing to be "R. Braun", written over a horizontal line.

Robert C. Braun  
Site Vice President – Salem

TE25  
HRK

SEP 23 2008

SCH08-106  
NJPDES DMR

2

Attachments

C     Executive Director, DRBC  
       USNRC - Docket numbers 50-272 & 50-311

SEP 23 2008

SCH08-106  
NJPDES DMR

3

## EXPLANATION OF CONDITIONS

### **August 2008**

The following explanations are included to clarify possible deviation from permit conditions.

General - The columns labeled "No. Ex" on the enclosed DMR tabulate the number of daily discharge values outside the indicated limits.

Data reporting and accuracy reflect the working environment, the design capabilities and reliability of the monitoring instruments and operating equipment.

Deviations from required sampling, analysis monitoring and reporting methods and periodicities are noted on the respective transmittal sheet.

Results reported on the Discharge Monitoring Report forms are consistent with permit limits, data supplied from contract laboratories, the December 2007 revision of the NJDEP DMR Instruction Manual and specific guidance from DEP personnel.

\*\*\*

SEP 23 2008

SCH08-106  
NJPDES DMR

4

## EXPLANATION OF EXCEEDANCES

**August 2008**

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

DSN No.	EXPLANATION
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None.	
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SEP 23 2008

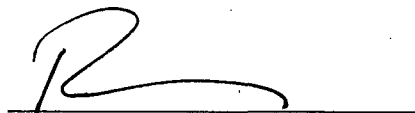
SCH08-106  
NJPDES DMR

5

COUNTY OF SALEM  
STATE OF NEW JERSEY

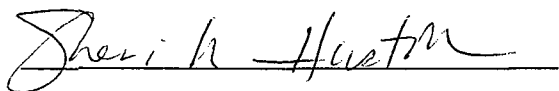
I, Robert C. Braun, of full age, being duly sworn according to law, upon my oath depose and say:

1. I am the Site Vice President-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. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.
3. The signature on the attached Discharge Monitoring Reports is my signature and I am submitting this affidavit in satisfaction of the requirement that my signature be notarized.



Robert C. Braun  
Site Vice President – Salem

Sworn and subscribed before me  
this 23 day of September 2008



SHERI L. HUSTON  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires

1-15-09

BC    Site Vice President – Salem  
Director – Regulatory Assurance  
John Valeri Jr., Esq.  
Salem Radwaste and Environmental Supervisor  
E. J. Keating  
Christine Neely  
NBS Room M/C N64



TO: William G. Biggs  
Technical Analyst  
Salem Chemistry - PSEG Power

August 4, 2008  
Report No. TP08055

SUBJECT: **DETERMINATION OF CIRCULATING WATER FLOW AT  
SALEM GENERATING STATION**

CONDUCTED BY: Victor Simpson  
Sr. Test Engineer, Maplewood Testing Services

#### SUMMARY

The Mechanical Division of Maplewood Testing Services conducted a series of test runs at Salem Unit No. 2 to determine the capacities of the circulating water pumps shown in the table below.

Work was performed under SAP work orders:  
30153882, 30153912, 30153857, 30153858, 30153883, 30153884

Please note that the CMS designation for the pump in 22B could not be determined due to the orientation of the pump. Pumps 23A and 23B are both designated as "F", but due to deterioration of the markings, it was difficult to verify.

Final results are as follows:

#### **SUMMARY OF TEST RESULTS**

Pump No.	CMS Pump Desig.	Test Date	Measured Pump Capacity (gpm)	Pump Suction Head (ft h <sub>2</sub> o)	Pump Discharge Head (ft h <sub>2</sub> o)	Total Static Head (ft h <sub>2</sub> o)
21A	I	07/30/08	150683	-10.5	9.4	19.9
21B	B	07/30/08	139469	-9.2	11.1	20.3
22A	M	07/22/08	156713	-6.5	15.2	21.7
22B	?	07/22/08	151157	-6.5	15.6	22.1
23A	F	07/22/08	122378	-8.1	19.7	27.8
23B	F	07/22/08	137967	-8.9	15.6	24.5

Note: Pump suction heads and discharge heads corrected to elevation 100'

William G. Biggs  
 Technical Analyst  
 Salem Chemistry - PSEG Power

August 4, 2008  
 Report No. TP08055

# SUMMARY (Cont'd)

For reporting purposes, shown below is the data pertinent to the injection of Rhodamine WT dye released to the river during testing. Testing is complete at this station.

## RECORD OF RHODAMINE WT DYE INJECTION

Test Date	Pump No.	Injection Time		Pure Dye Injected (ml)	Number of Pumps in Service	Total System Flow (1000 gpm)	Effluent Concentration (ppb)
		(start)	(stop)				
07/30/08	21A	1720	1759	52.87	12	2220.0	0.16
07/30/08	21B	1810	1845	49.46	12	2220.0	0.17
07/22/08	22A	1342	1407	34.26	11	2035.0	0.18
07/22/08	22B	1419	1446	37.80	11	2035.0	0.18
07/22/08	23A	1545	1612	37.49	11	2035.0	0.18
07/22/08	23B	1622	1647	34.75	11	2035.0	0.18
07/22/08	21A	1130	1159	39.16	11	2035.0	0.18

# TEST METHOD

The circulating water flow rate was determined by fluorometry using MTS Mechanical Division Work Instruction TPG-19 Rev. 7 "Water Flow Using The Turner Fluorometer". Rhodamine WT dye was injected into the bell mouth of each pump using 1/2 inc PVC pipe with a carrier flow of screen wash water at 3 gallons per minute.

The dye was injected at a known rate using a peristaltic pump and a class A burette to measure rate. The diluted sample was retrieved and monitored by taking a sample from the inlet water box piping. The ratio of the injected concentration to the sample concentration multiplied by the injection flow rate yielded the circulator flow rate.

The total static head was obtained by measuring the pump suction head in feet from elevation



William G. Biggs  
Technical Analyst  
Salem Chemistry - PSEG Power

August 4, 2008  
Report No. TP08055

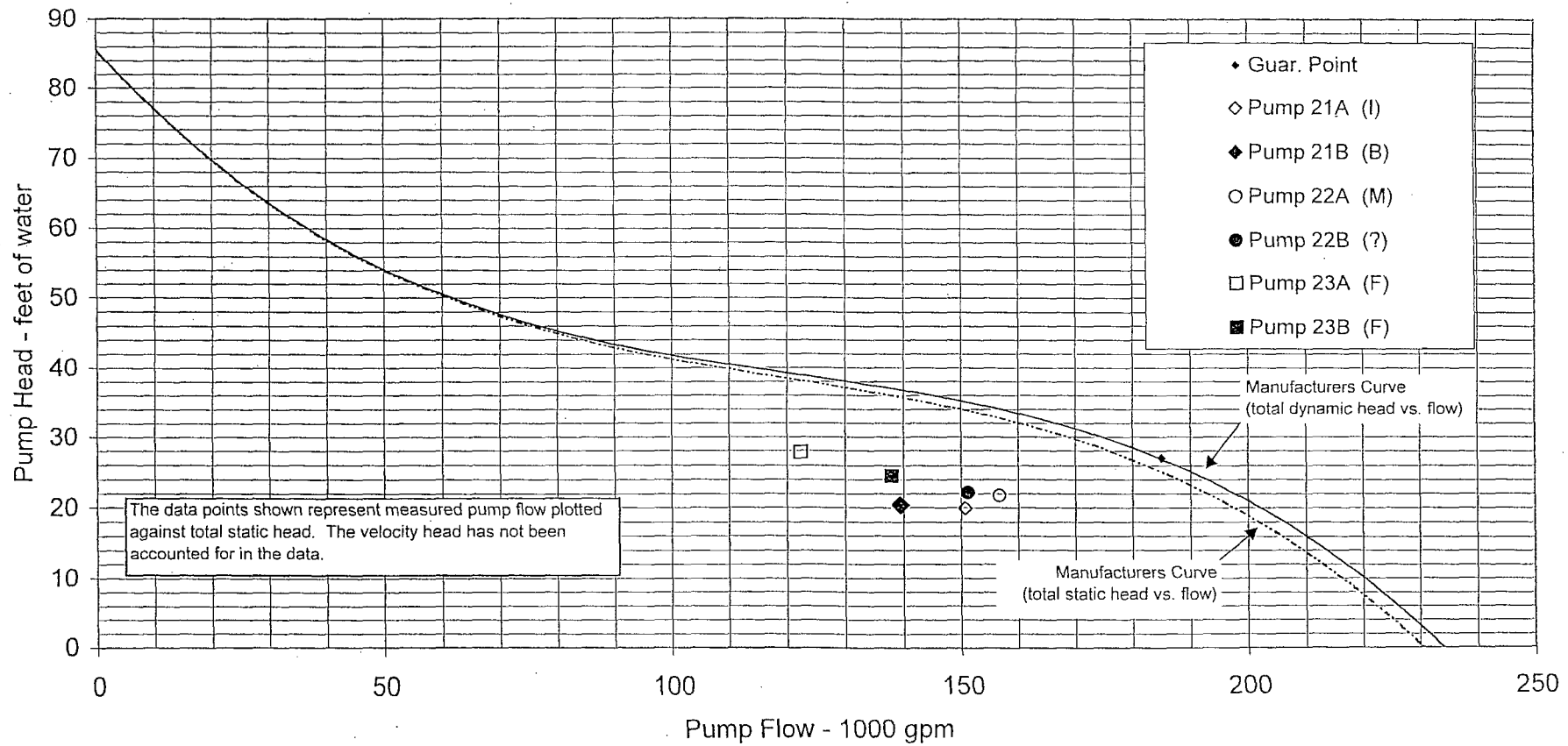
TEST METHOD (Cont'd)

100' and the pump discharge head in feet of water at the water box inlet. After correcting for elevation, the total pump head was calculated as the pump discharge head minus the pump suction head.

Anthony R. Fortunato  
Supervising Test Engineer  
MTS Mechanical Division

C S. Rund

# Salem Generating Station - Unit No.2 Total Pump Head vs. Pump Flow



Maplewood Testing Services

Report No. TP08055

8/ 2008

New Jersey Department of Environmental Protection  
Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD	MONITORED LOCATION:												
NJ0005622	<table border="1"><tr><th>Month</th><th>Day</th><th>Year</th></tr><tr><td>8</td><td>1</td><td>2008</td></tr></table> To <table border="1"><tr><th>Month</th><th>Day</th><th>Year</th></tr><tr><td>8</td><td>31</td><td>2008</td></tr></table>	Month	Day	Year	8	1	2008	Month	Day	Year	8	31	2008	FACA – SW Outfall FACA
Month	Day	Year												
8	1	2008												
Month	Day	Year												
8	31	2008												

**PERMITTEE:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA  
NEWARK, NJ 07101

**LOCATION OF ACTIVITY:**

PSEG NUCLEAR LLC SALEM  
GENERATING STATION  
ALLOWAY CREEK NECK RD  
HANCOCKS BRIDGE, NJ 08038

**REPORT RECIPIENT:**

PSEG 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.

Robert C. Braun, Site Vice President - Salem

N/A

NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR \*LICENSED OPERATOR

GRADE AND REGISTRY NUMBER (IF APPLICABLE)

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

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

FACA SW Outfall FACA

8/1/2008 TO 8/31/2008

PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, oC 00010 G Raw Sew/influent	SAMPLE MEASUREMENT	*****	*****		*****	26.9	28.7		0	CONTINUOUS	CONTIN
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	35.5	37.1		0	CONTINUOUS	CONTIN
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	46.1 01DAMX	DEG.C		Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	SAMPLE MEASUREMENT	*****	*****		*****	8.6	10.1		0	1/DAY	CALCTD
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	15.3 01DAMX	DEG.C		1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification #  99999 99 Lab	SAMPLE MEASUREMENT	17327	17451		PA166						
	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:
NJ0005622	Month	Day	Year	To	Month	Day	Year	FACB – SW Outfall FACB
	8	1	2008		8	31	2008	

**PERMITTEE:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA  
NEWARK, NJ 07101

**LOCATION OF ACTIVITY:**

PSEG NUCLEAR LLC SALEM  
GENERATING STATION  
ALLOWAY CREEK NECK RD  
HANCOCKS BRIDGE, NJ 08038

**REPORT RECIPIENT:**

PSEG 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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Robert C. Braun, Site Vice President - Salem

N/A

NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR \*LICENSED OPERATOR

GRADE AND REGISTRY NUMBER (IF APPLICABLE)

09/18/2008 856-339-1998

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

**PERMIT NUMBER:** NJ0005622     
 **MONITORED LOCATION:** FACB SW Outfall FACB     
 **MONITORING PERIOD:** 8/1/2008 TO 8/31/2008     
 **FACILITY NAME:** PSEG NUCLEAR LLC SALEM GENERATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, oC 00010 G Raw Sew/Influent	SAMPLE MEASUREMENT	*****	*****	*****	*****	26.9	28.7	DEG.C	0	Continuous	CONTIN
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	35.0	37.0	DEG.C	0	Continuous	CONTIN
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	8.1	8.4	DEG.C	0	1/DAY	CALCTD
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17327	17451		PA166						
	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:	
NJ0005622	Month	Day	Year	To	Month	Day	Year	FACC – SW Outfall FACC
	8	1	2008		8	31	2008	

**PERMITTEE:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA  
NEWARK, NJ 07101

**LOCATION OF ACTIVITY:**

PSEG NUCLEAR LLC SALEM  
GENERATING STATION  
ALLOWAY CREEK NECK RD  
HANCOCKS BRIDGE, NJ 08038

**REPORT RECIPIENT:**

PSEG 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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Robert C. Braun, Site Vice President - Salem

N/A

NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR \*LICENSED OPERATOR

GRADE AND REGISTRY NUMBER (IF APPLICABLE)



09/18/2008

856-339-1998

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

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:


FACILITY NAME:

NJ0005622

FACC SW Outfall FACC

8/1/2008 TO 8/31/2008

PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	SAMPLE MEASUREMENT	2562	2593	MGD	*****	*****	*****	*****	0	1/DAY	CALCTD
	PERMIT REQUIREMENT	3024 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	SAMPLE MEASUREMENT	14032	14329	MBTU/HR	*****	*****	*****	*****	0	1/DAY	CALCTD
	PERMIT REQUIREMENT	REPORT 01MOAV	30600 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification #  99999 99 Lab	SAMPLE MEASUREMENT	17327	17451		PA166						
	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	MONITORING PERIOD						MONITORED LOCATION:	
NJ0005622	Month	Day	Year	To	Month	Day	Year	048C – SW Outfall 48C
	8	1	2008		8	31	2008	

**PERMITTEE:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA  
NEWARK, NJ 07101

**LOCATION OF ACTIVITY:**

PSEG NUCLEAR LLC SALEM  
GENERATING STATION  
ALLOWAY CREEK NECK RD  
HANCOCKS BRIDGE, NJ 08038

**REPORT RECIPIENT:**

PSEG NUCLEAR LLC  
PO BOX 236/N21  
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

**CHECK IF APPLICABLE:**

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Monitoring Report Comments Attached

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Robert C. Braun, Site Vice President - Salem

N/A

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GRADE AND REGISTRY NUMBER (IF APPLICABLE)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR \*LICENSED OPERATOR

DATE

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N/A

N/A

N/A

N/A

NAME AND TITLE

SIGNATURE

DATE

AREA CODE/PHONE NUMBER

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

048C SW Outfall 48C

JUN 11/08

9/1/2008 TO 9/30/2008

8/1/2008 TO 8/31/2008

PSEG NUCLEAR LLC SALEM GENERATION

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	0.3790	0.5650	MGD	*****	*****	*****	*****	0	1/DAY	CALCTD
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	5	6	MG/L	0	2/month	COMPOS
	PERMIT REQUIREMENT	*****	*****		*****	30 01MOAV	100 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	8	10	MG/L	0	2/month	COMPOS
	PERMIT REQUIREMENT	*****	*****		*****	35 01MOAV	70 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	< 5	< 5	MG/L	0	2/month	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	10 01MOAV	15 01DAMX			2/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	6	9	MG/L	0	2/month	COMPOS
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	50 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Lab Certification #  99999 99 Lab	SAMPLE MEASUREMENT	17327	17451		PA166						
	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)292-4680 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	MONITORING PERIOD						MONITORED LOCATION:	
NJ0005622	Month	Day	Year	To	Month	Day	Year	481A – SW Outfall 481A
	8	1	2008		8	31	2008	

**PERMITTEE:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA  
NEWARK, NJ 07101

**LOCATION OF ACTIVITY:**

PSEG NUCLEAR LLC SALEM  
GENERATING STATION  
ALLOWAY CREEK NECK RD  
HANCOCKS BRIDGE, NJ 08038

**REPORT RECIPIENT:**

PSEG 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.

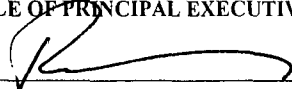
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate 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.

Robert C. Braun, Site Vice President - Salem

N/A

NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR \*LICENSED OPERATOR

GRADE AND REGISTRY NUMBER (IF APPLICABLE)



09/18/2008

856-339-1998

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

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

481A SW Outfall 481A

8/1/2008 TO 8/31/2008

PSEG NUCLEAR LLC SALEM GENERATING

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	482	493	MGD	*****	*****	*****	*****	0	1/DAY	CALCTD
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.3	*****	7.6	SU	0	1/WEEK	GRAB
	PERMIT REQUIREMENT	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	7.8	*****	7.9	SU	0	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	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	MG/L	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	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.

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 481A SW Outfall 481A
 MONITORING PERIOD: 8/1/2008 TO 8/31/2008
 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	35.3	37.9		0	1/DAY	CONTIN
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17327	17451		PA166						
	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	MONITORING PERIOD							MONITORED LOCATION:
NJ0005622	Month	Day	Year	To	Month	Day	Year	482A – SW Outfall 482A
	8	1	2008		8	31	2008	

**PERMITTEE:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA  
NEWARK, NJ 07101

**LOCATION OF ACTIVITY:**

PSEG NUCLEAR LLC SALEM  
GENERATING STATION  
ALLOWAY CREEK NECK RD  
HANCOCKS BRIDGE, NJ 08038

**REPORT RECIPIENT:**

PSEG 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.

Robert C. Braun, Site Vice President - Salem

N/A

NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR \*LICENSED OPERATOR

GRADE AND REGISTRY NUMBER (IF APPLICABLE)

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

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:


FACILITY NAME:

NJ0005622

482A SW Outfall 482A

8/1/2008 TO 8/31/2008

PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	436	454	MGD	*****	*****	*****	*****	0	1/DAY	CALCTD
50050 1	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
Effluent Gross Value	QL	*****	*****		*****	*****	*****				
pH	SAMPLE MEASUREMENT	*****	*****	*****	7.6	*****	7.6	SU	0	1/WEEK	GRAB
00400 1	PERMIT REQUIREMENT	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
Effluent Gross Value	QL	*****	*****		*****	*****	*****				
pH	SAMPLE MEASUREMENT	*****	*****	*****	7.8	*****	7.9	SU	0	1/WEEK	GRAB
00400 7	PERMIT REQUIREMENT	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
Intake From Stream	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon	SAMPLE MEASUREMENT	*****	*****	*****	CODE = N	*****	*****	%EFFL	0	CODE = N	CODE = N
TAN6A 1	PERMIT REQUIREMENT	*****	*****		50 01DAMN	*****	*****			2/Year	COMPOS
Effluent Gross Value	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants	SAMPLE MEASUREMENT	*****	*****	*****	*****	CODE = N	CODE = N	MG/L	0	CODE = N	CODE = N
*CPOX 1	PERMIT REQUIREMENT	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
Effluent Gross Value Option 1	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3/WEEK	GRAB.
*CPOX 1	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
Effluent Gross Value Option 2	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.



PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 482A SW Outfall 482A
 MONITORING PERIOD: 8/1/2008 TO 8/31/2008
 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	36.0	38.7	DEG.C	0	1/DAY	CONTIN
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification #  99999 99 Lab	SAMPLE MEASUREMENT	17327	17451		PA166						
	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	MONITORING PERIOD						MONITORED LOCATION:	
NJ0005622	Month	Day	Year	To	Month	Day	Year	483A – SW Outfall 483A
	8	1	2008		8	31	2008	

**PERMITTEE:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA  
NEWARK, NJ 07101

**LOCATION OF ACTIVITY:**

PSEG NUCLEAR LLC SALEM  
GENERATING STATION  
ALLOWAY CREEK NECK RD  
HANCOCKS BRIDGE, NJ 08038

**REPORT RECIPIENT:**

PSEG 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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Robert C. Braun, Site Vice President - Salem

N/A

NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR \*LICENSED OPERATOR

GRADE AND REGISTRY NUMBER (IF APPLICABLE)

09/18/2008

856-339-1998

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

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

483A SW Outfall 483A

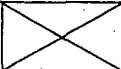
8/1/2008 TO 8/31/2008

PSEG NUCLEAR LLC SALEM GENERATING

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	473	474	MGD	*****	*****	*****	*****	0	1/DAY	CALCTD
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.5	*****	7.7	SU	0	1/WEEK	GRAB
	PERMIT REQUIREMENT	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	7.8	*****	7.9	SU	0	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	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	MG/L	0	3/WEEK	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	35.2	39.2	DEG.C	0	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.

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 483A SW Outfall 483A
 MONITORING PERIOD: 8/1/2008 TO 8/31/2008
 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Lab Certification #	SAMPLE MEASUREMENT	17327	17451		PA166						
99999 99	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
Lab	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	MONITORING PERIOD						MONITORED LOCATION:	
NJ0005622	Month	Day	Year	To	Month	Day	Year	484A – SW Outfall 484A
	8	1	2008		8	31	2008	

**PERMITTEE:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA  
NEWARK, NJ 07101

**LOCATION OF ACTIVITY:**

PSEG NUCLEAR LLC SALEM  
GENERATING STATION  
ALLOWAY CREEK NECK RD  
HANCOCKS BRIDGE, NJ 08038

**REPORT RECIPIENT:**

PSEG 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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Robert C. Braun, Site Vice President - Salem

N/A

NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR \*LICENSED OPERATOR

GRADE AND REGISTRY NUMBER (IF APPLICABLE)

09/18/2008

856-339-1998

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

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:


FACILITY NAME:

NJ0005622

484A SW Outfall 484A

8/1/2008 TO 8/31/2008

PSEG NUCLEAR LLC SALEM GENERATION

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	451	451	MGD	*****	*****	*****	*****	0	1/DAY	CALCTD
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.6	*****	7.7	SU	0	1/WEEK	GRAB
	PERMIT REQUIREMENT	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	7.8	*****	7.9	SU	0	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	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	MG/L	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	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.

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:


FACILITY NAME:

NJ0005622

484A SW Outfall 484A

8/1/2008 TO 8/31/2008

PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	35.5	38.6	DEG.C	0	1/DAY	CONTIN
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17327	17451		PA166						
	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	MONITORING PERIOD						MONITORED LOCATION:	
NJ0005622	Month	Day	Year	To	Month	Day	Year	485A – SW Outfall 485A
	8	1	2008		8	31	2008	

**PERMITTEE:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA  
NEWARK, NJ 07101

**LOCATION OF ACTIVITY:**

PSEG NUCLEAR LLC SALEM  
GENERATING STATION  
ALLOWAY CREEK NECK RD  
HANCOCKS BRIDGE, NJ 08038

**REPORT RECIPIENT:**

PSEG 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.

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.

Robert C. Braun, Site Vice President - Salem

N/A

NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR \*LICENSED OPERATOR

GRADE AND REGISTRY NUMBER (IF APPLICABLE)

09/18/2008

856-339-1998

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

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

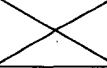
FACILITY NAME:

NJ0005622

485A SW Outfall 485A

8/1/2008 TO 8/31/2008

PSEG NUCLEAR LLC SALEM GENERATION

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	449	449	MGD	*****	*****	*****	*****	0	1/DAY	CALCTD
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.6	*****	7.7	SU	0	1/WEEK	GRAB
	PERMIT REQUIREMENT	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	7.8	*****	7.9	SU	0	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	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	MG/L	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	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.



PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:


FACILITY NAME:

NJ0005622

485A SW Outfall 485A

8/1/2008 TO 8/31/2008

PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, oC	SAMPLE MEASUREMENT	*****	*****		*****	35.0	38.7		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	17451		PA166						
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	MONITORING PERIOD						MONITORED LOCATION:	
NJ0005622	Month	Day	Year	To	Month	Day	Year	486A – SW Outfall 486A
	8	1	2008		8	31	2008	

**PERMITTEE:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA  
NEWARK, NJ 07101

**LOCATION OF ACTIVITY:**

PSEG NUCLEAR LLC SALEM  
GENERATING STATION  
ALLOWAY CREEK NECK RD  
HANCOCKS BRIDGE, NJ 08038

**REPORT RECIPIENT:**

PSEG 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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Robert C. Braun, Site Vice President - Salem

NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR \*LICENSED OPERATOR

N/A

GRADE AND REGISTRY NUMBER (IF APPLICABLE)

09/18/2008

856-339-1998

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

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

486A SW Outfall 486A

8/1/2008 TO 8/31/2008

PSEG NUCLEAR LLC SALEM GENERATI

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	398	399	MGD	*****	*****	*****	*****	0	1/DAY	CALCTD
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.6	*****	7.7	SU	0	1/WEEK	GRAB
	PERMIT REQUIREMENT	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	7.8	*****	7.9	SU	0	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	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	MG/L	0	3/WEEK	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	34.3	38.9	DEG.C	0	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.

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

486A SW Outfall 486A

8/1/2008 TO 8/31/2008

PSEG NUCLEAR LLC SALEM GENERATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Lab Certification #	SAMPLE MEASUREMENT	17327	17451		PA166						
99999 99 Lab	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	MONITORING PERIOD						MONITORED LOCATION:	
NJ0005622	Month	Day	Year	To	Month	Day	Year	487B – SW Outfall 487B
	8	1	2008		8	31	2008	

**PERMITTEE:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA  
NEWARK, NJ 07101

**LOCATION OF ACTIVITY:**

PSEG NUCLEAR LLC SALEM  
GENERATING STATION  
ALLOWAY CREEK NECK RD  
HANCOCKS BRIDGE, NJ 08038

**REPORT RECIPIENT:**

PSEG 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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Robert C. Braun, Site Vice President - Salem

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GRADE AND REGISTRY NUMBER (IF APPLICABLE)

09/18/2008

856-339-1998

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N/A

N/A

N/A

N/A

NAME AND TITLE

SIGNATURE

DATE

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New Jersey Department of Environmental Protection  
Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDDES PERMIT	MONITORING PERIOD	MONITORED LOCATION:												
NJ0005622	<table border="1"><tr><td>Month</td><td>Day</td><td>Year</td></tr><tr><td>8</td><td>1</td><td>2008</td></tr></table> To <table border="1"><tr><td>Month</td><td>Day</td><td>Year</td></tr><tr><td>8</td><td>31</td><td>2008</td></tr></table>	Month	Day	Year	8	1	2008	Month	Day	Year	8	31	2008	489A – SW Outfall 489A
Month	Day	Year												
8	1	2008												
Month	Day	Year												
8	31	2008												

**PERMITTEE:**

PSE&G NUCLEAR LLC  
80 PARK PLAZA  
NEWARK, NJ 07101

**LOCATION OF ACTIVITY:**

PSEG NUCLEAR LLC SALEM  
GENERATING STATION  
ALLOWAY CREEK NECK RD  
HANCOCKS BRIDGE, NJ 08038

**REPORT RECIPIENT:**

PSEG NUCLEAR LLC  
PO BOX 236/N21  
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

CHECK IF APPLICABLE:

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Monitoring Report Comments Attached

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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: 489A SW Outfall 489A MONITORING PERIOD: 8/1/2008 TO 8/31/2008 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATION

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	0.0170	0.0170	MGD	*****	*****	*****	*****	0	1/MONTH	CALCTD
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Month	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.9	*****	7.9	SU	0	1/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	5	5	*****	MG/L	0	1/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****		100 01DAMX	30 01MOAV	*****			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	< 5	< 5	MG/L	0	1/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	10 01MOAV	15 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	13	13	MG/L	0	1/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	50 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17327	17451	*****	PA166			*****			
	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 the BPSP - Region 2 at (609)292-4860 or via email at "srosenwi@dep.state.nj.us".