



JUL 21 2011

SCH11-027
CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7008 1830 0004 1876 2119

401-02B
Division of Water Quality
Office of Permit Management
P.O. Box 420
Trenton, N.J. 08625-0420

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

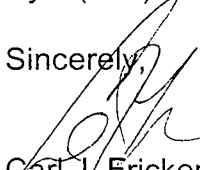
Dear Sir:

Attached is the Discharge Monitoring Report for the Salem Generating Station for the month of June 2011.

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 Mark Pyle (856) 339-2331.

Sincerely,


Carl J. Fricker
Site Vice President – Salem

FEAS
NRR

Attachment (12 DMR's)

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

EXPLANATION OF CONDITIONS

June 2011

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.

EXPLANATION OF EXCEEDANCES

June 2011


The following exceedance(s) are included in the attached report and explained below.

DSN No.	EXPLANATION
None.	

COUNTY OF SALEM
STATE OF NEW JERSEY

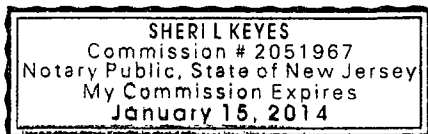
I, Carl J. Fricker of full age, being duly sworn according to law, upon my oath depose and say:

1. I am the 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.



Carl J. Fricker
Site Vice President – Salem

Sworn and subscribed before me
this 21 day of July 2011



BC Site Vice President – Salem
Director – Regulatory Affairs
Nuclear Environmental Affairs - Manager
Helen Gregory
Chem File SCH11-027



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

June 24, 2011
Report No. TP11029

SUBJECT: **DETERMINATION OF CIRCULATING WATER FLOW AT
SALEM GENERATING STATION UNIT 2**

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:
30194700, 30194485, 30194434, 30194550, 30194573, 30196118

Please note that the CMS designation for the pump 23A was illegible.

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 ₂ o)	Pump Discharge Head (ft h ₂ o)	Total Static Head (ft h ₂ o)
21A	I	06/21/11	151486	-11.6	15.7	27.3
21B	M	06/21/11	152839	-7.9	16.4	24.3
22A	K	06/21/11	156095	-7.2	15.2	22.4
22B	F	06/22/11	144773	-11.4	10.4	21.8
23A	B?	05/22/11	140040	-12.3	11.2	23.5
23B	E	06/22/11	126327	-12.5	14.2	26.7

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

William G. Biggs
Technical Analyst
Salem Chemistry - PSEG Power

June 24, 2011
Report No. TP11029

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)				
06/21/11	21A	1107	1129	30.35	6	1110.0	0.33
06/21/11	21B	1333	1355	30.39	6	1110.0	0.33
06/21/11	22A	1406	1430	33.35	6	1110.0	0.33
06/22/11	22B	936	1004	38.36	6	1110.0	0.33
05/22/11	23A	1017	1039	30.30	6	1110.0	0.33
06/22/11	23B	1100	1121	29.02	6	1110.0	0.33

TEST METHOD

The circulating water flow rate was determined by fluorometry using MTS Mechanical Division Work Instruction TPG-19 Rev. 11 "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

June 24, 2011
Report No. TP11029

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.

A handwritten signature in black ink, appearing to read 'BPHicks', is positioned above the printed name of the signatory.

Bruce P. Hicks
Sr. Supervising Test Engineer
MTS Mechanical Division

New Jersey Department of Environmental Protection
Division of Water Quality

PI 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD						MONITORED LOCATION:	
NJ0005622	Month	Day	Year	To	Month	Day	Year	FACA – SW Outfall FACA
	06	1	2011		06	30	2011	

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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Carl J. Bricker, 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

Surface Water Discharge Monitoring Report

PI 43814

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: FACA SW Outfall FACA
 MONITORING PERIOD: 6/1/2011 TO 6/30/2011
 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, °C	SAMPLE MEASUREMENT	*****	*****		*****	25.5	26.2		0	Continuous	CONTIN
00010 G Raw Sew/Influent				*****		REPORT G/MOAV	REPORT G/MOAV	DEG.C			
Temperature, °C	SAMPLE MEASUREMENT	*****	*****		*****	34.3	35.4		0	Continuous	CONTIN
00010 1 Effluent Gross Value				*****		REPORT G/MOAV	REPORT G/MOAV	DEG.C			
Temperature, °C	SAMPLE MEASUREMENT	*****	*****		*****	8.8	9.9		0	1/Day	CALCTD
00010 2 Effluent Net Value				*****		REPORT G/MOAV	REPORT G/MOAV	DEG.C			
Lab Certification #	SAMPLE MEASUREMENT	17327	17451		PA 166						
99999 99 Lab						REPORT Lab	REPORT Lab				

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 srosenw@delaware.gov.

New Jersey Department of Environmental Protection
Division of Water Quality

PI 46814

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
	06	1	2011		06	30	2011	

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:

☐

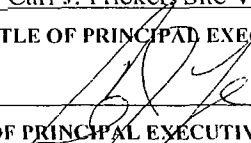
No Discharge this Monitoring Period

☐

Monitoring Report Comments Attached

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Carl J. Fricker, Site Vice President - Salem	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	07/21/2011 856-339-1102
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:

MONITORED LOCATION:

MONITORING PERIOD:

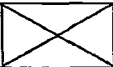
FACILITY NAME:

NJ0005622

FACB SW Outfall FACB

6/1/2011 TO 6/30/2011

PSEG NUCLEAR LLC SALEM GENERATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, °C	SAMPLE MEASUREMENT	*****	*****		*****	25.2	26.2		0	Continuous	CONTIN
00010 G Raw Sew/Influent	REPORT REQUIRED			*****	REPORT 01/01/01		REPORT 01/01/01	DEG.C		Continuous	CONTIN
	GL										
Temperature, °C	SAMPLE MEASUREMENT	*****	*****		*****	33.5	36.1		0	Continuous	CONTIN
00010 1 Effluent Gross Value	REPORT REQUIRED			*****	REPORT 01/01/01		REPORT 01/01/01	DEG.C		Continuous	CONTIN
	GL										
Temperature, °C	SAMPLE MEASUREMENT	*****	*****		*****	8.0	10.7		0	1/Day	CALC'D
00010 2 Effluent Net Value	REPORT REQUIRED			*****	REPORT 01/01/01		REPORT 01/01/01	DEG.C		1/Day	CALC'D
	GL										
Lab Certification #	SAMPLE MEASUREMENT	17327	17451		PA166						
99999 99 Lab	REPORT REQUIRED	Lab	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

PI 46814

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
	06	1	2011		06	30	2011	

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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Carl J. Fricker, 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

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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 45314

PERMIT NUMBER: NJ0005622 MONITORED LOCATION: FACC SW Outfall FACC MONITORING PERIOD: 6/1/2011 TO 6/30/2011 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 G Raw Sew/Influent	SAMPLE MEASUREMENT	1878	2652	MGD	*****	*****	*****	*****	0	1/Day	CALCTD
	REPORT SOURCE	REPORT	REPORT		REPORT	REPORT	REPORT				
	Q1										
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	SAMPLE MEASUREMENT	11119	15883	MBTU/HR	*****	*****	*****	*****	0	1/Day	CALCTD
	REPORT SOURCE	REPORT	REPORT		REPORT	REPORT	REPORT				
	Q1										
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17327	17451		PA 166						
	REPORT SOURCE	REPORT	REPORT		REPORT	REPORT	REPORT				
	Q1										

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New Jersey Department of Environmental Protection
Division of Water Quality

PI 46814

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
	06	1	2011		06	30	2011	

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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Carl J. Fricker, 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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DATE

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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

Surface Water Discharge

PI 46814

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

048C SW Outfall 48C

6/1/2011 TO 6/30/2011

PSEG NUCLEAR LLC SALEM GENERATOR

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	0.4744	0.8635	MGD	*****	*****	*****	*****	0	1/Day	CALC'D
50950 1	REPORT	REPORT	REPORT		*****	*****	*****				CALC'D
Effluent Gross Value	*****	*****	*****		*****	*****	*****				
Solids, Total	SAMPLE MEASUREMENT	*****	*****	*****	*****	8	14	MG/L	0	2/MONTH	COMPOS
Suspended	REPORT	REPORT	REPORT		*****	30	100			2/MONTH	COMPOS
00530 1	*****	*****	*****		*****	01 DAY	01 DAY				
Effluent Gross Value	*****	*****	*****								
Nitrogen, Ammonia	SAMPLE MEASUREMENT	*****	*****	*****	*****	13	15	MG/L	0	2/MONTH	COMPOS
Total (as N)	REPORT	REPORT	REPORT		*****	30	50			2/MONTH	COMPOS
00610 1	*****	*****	*****		*****	01 DAY	01 DAY				
Effluent Gross Value	*****	*****	*****								
Petroleum	SAMPLE MEASUREMENT	*****	*****	*****	*****	<5	<5	MG/L	0	2/MONTH	GRAB
Hydrocarbons	REPORT	REPORT	REPORT		*****	10	15			2/MONTH	GRAB
00551 1	*****	*****	*****		*****	01 DAY	01 DAY				
Effluent Gross Value	*****	*****	*****								
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****	*****	*****	5	6	MG/L	0	2/MONTH	COMPOS
00680 1	REPORT	REPORT	REPORT		*****	REPORT	50			2/MONTH	COMPOS
Effluent Gross Value	*****	*****	*****		*****	01 DAY	01 DAY				
Lab Certification #	SAMPLE MEASUREMENT	17327	17451	*****	PA 166			*****			
99999 99	REPORT	REPORT	REPORT		REPORT	REPORT	REPORT				
Lab	*****	*****	*****		*****	*****	*****				

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

PI 46814

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
	06	1	2011		06	30	2011	

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:

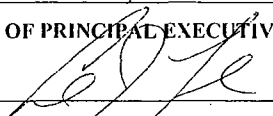
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

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

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Carl J. Fricker, Site Vice President - Salem	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	07/21/2011 856-339-1102
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

Surface Water

PI 45814

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

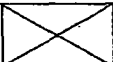
FACILITY NAME:

NJ0005622

481A SW Outfall 481A

6/1/2011 TO 6/30/2011

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	SAMPLE MEASUREMENT	370	499	MGD	*****	*****	*****	*****	0	1/Day	CALCTD
50050 1		REPORT 01/MO	REPORT 01/MO								
Effluent Gross Value											
pH	SAMPLE MEASUREMENT	*****	*****	*****	6.9	*****	7.7	SU	0	1/week	GRAB
00400 1					5.0 01/DAY		9.0 01/DAY				
Effluent Gross Value											
pH	SAMPLE MEASUREMENT	*****	*****	*****	7.7	*****	7.9	SU	0	1/week	GRAB
00400 7					REPORT 01/DAY		REPORT 01/DAY				
Intake From Stream											
LC50 Statre 96hr Acu Cyprinodon	SAMPLE MEASUREMENT	*****	*****	*****	CODE=N	*****	*****	%EFFL	0	CODE=N	CODE=N
TAN6A 1					50 01/DAY					2/Week	COMPOS
Effluent Gross Value											
Chlorine Produced Oxidants	SAMPLE MEASUREMENT	*****	*****	*****	*****	CODE=N	CODE=N	MG/L	0	CODE=N	CODE=N
*CPOX 1						0.5 01/MO	0.5 01/DAY				
Effluent Gross Value Option 1											
Chlorine Produced Oxidants	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3/week	GRAB
*CPOX 1						REPORT 01/MO	REPORT 01/DAY				
Effluent Gross Value Option 2											

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:

MONITORED LOCATION:

MONITORING PERIOD:


FACILITY NAME:

NJ0005622

481A SW Outfall 481A

6/1/2011 TO 6/30/2011

PSEG NUCLEAR LLC SALEM GENERATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, °C	SAMPLE MEASUREMENT	*****	*****			34.2	36.5		0	1/Day	CONTIN
00010 1 Effluent Gross Value				*****		REPORT 0100AV	REPORT 0100AV	DEG.C			
Lab Certification #	SAMPLE MEASUREMENT	17327	17451		PA166						
99999 99 Lab						REPORT 0100AV	REPORT 0100AV				

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

Pl 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD	MONITORED LOCATION:												
NJ0005622	<table border="1"><tr><td>Month</td><td>Day</td><td>Year</td></tr><tr><td>06</td><td>1</td><td>2011</td></tr></table> To <table border="1"><tr><td>Month</td><td>Day</td><td>Year</td></tr><tr><td>06</td><td>30</td><td>2011</td></tr></table>	Month	Day	Year	06	1	2011	Month	Day	Year	06	30	2011	482A – SW Outfall 482A
Month	Day	Year												
06	1	2011												
Month	Day	Year												
06	30	2011												

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:

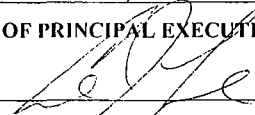
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

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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Carl J. Fricker, Site Vice President - Salem	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	07/21/2011 856-339-1102
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

Surface Water

PI 46814

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

482A SW Outfall 482A

6/1/2011 TO 6/30/2011

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	331	447	MGD	*****	*****	*****	*****	0	1/Day	CALC'D
50050 1	REPORT REQUIRED	REPORT 01MOAV	REPORT 01DAMX							1/Day	CALC'D
Effluent Gross Value	OF										
pH	SAMPLE MEASUREMENT	*****	*****	*****	7.5	*****	7.8	SU	0	1/Week	GRAB
00400 1	REPORT REQUIRED				6.0 01DAMN		8.0 01DAMX			1/Week	GRAB
Effluent Gross Value	OF										
pH	SAMPLE MEASUREMENT	*****	*****	*****	7.7	*****	7.9	SU	0	1/Week	GRAB
00400 7	REPORT REQUIRED				REPORT 01DAMN		REPORT 01DAMX			1/Week	GRAB
Intake From Stream	OF										
LC50 Statre 96hr Acu Cyprinodon	SAMPLE MEASUREMENT	*****	*****	*****	CODE=N	*****	*****	%EFFL	0	CODE=N	CODE=N
TARSA 1	REPORT REQUIRED				5.0 01DAMN					2/Week	COMPOS
Effluent Gross Value	OF										
Chlorine Produced Oxidants	SAMPLE MEASUREMENT	*****	*****	*****	*****	CODE=N	CODE=N	MGL	0	CODE=N	CODE=N
*CPOX 1	REPORT REQUIRED					0.5 01MOAV	0.5 01DAMX			3/Week	GRAB
Effluent Gross Value Option 1	OF										
Chlorine Produced Oxidants	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	<0.1	MGL	0	3/Week	GRAB
*CPOX 1	REPORT REQUIRED					REPORT 01MOAV	0.5 01DAMX			3/Week	GRAB
Effluent Gross Value Option 2	OF										

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 15814

PI 45014

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0003622

482A SW Outfall 482A

6/1/2011 TO 6/30/2011

PSEG NUCLEAR LLC SALEM GENERATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, °C	SAMPLE MEASUREMENT	*****	*****		*****	34.3	37.2		0	1/Day	CONTIN
Effluent Gross Value	REPORT				REPORT	0.000A	REPORT	DEG.C		1/Day	CONTIN
Lab Certification #	SAMPLE MEASUREMENT	17327	17451		PA 166						
9999 99 Lab	REPORT	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applicable	NOT AP

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

New Jersey Department of Environmental Protection
Division of Water Quality

PI 46814

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
	06	1	2011		06	30	2011	

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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Carl J. Fricker, 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

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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 45814

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

483A SW Outfall 483A

6/1/2011 TO 6/30/2011

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	SAMPLE MEASUREMENT	306	429	MGD	*****	*****	*****	*****	0	1/Day	CALC TO
50050 1	PERMIT REQUIREMENT	REPORT 01/01/01	REPORT 01/01/01		*****	*****	*****				
Effluent Gross Value	OL										
pH	SAMPLE MEASUREMENT	*****	*****	*****	7.6	*****	7.8	SU	0	1/week	GRAB
00400 1	PERMIT REQUIREMENT	*****	*****		6.0	*****	9.0				
Effluent Gross Value	OL				*****	*****	*****				
pH	SAMPLE MEASUREMENT	*****	*****	*****	7.7	*****	7.9	SU	0	1/week	GRAB
00400 7	PERMIT REQUIREMENT	*****	*****		REPORT 01/01/01	*****	REPORT 01/01/01				
Intake From Stream	OL				*****	*****	*****				
Chlorine Produced	SAMPLE MEASUREMENT	*****	*****	*****	*****	CODE=N	CODE=N	MG/L	0	CODE=N	CODE=N
Oxidants	PERMIT REQUIREMENT	*****	*****		*****	*****	*****				
*CPOX 1	OL				*****	*****	*****				
Effluent Gross Value											
Option 1											
Chlorine Produced	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3/week	GRAB
Oxidants	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01/01/01	REPORT 01/01/01				
*CPOX 1	OL				*****	*****	*****				
Effluent Gross Value											
Option 2											
Temperature,	SAMPLE MEASUREMENT	*****	*****	*****	*****	34.5	37.2	DEG.C	0	1/Day	CONTIN
oC	PERMIT REQUIREMENT	*****	*****		*****	*****	*****				
00010 1	OL				*****	*****	*****				
Effluent Gross Value											

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:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

483A SW Outfall 483A

6/1/2011 TO 6/30/2011

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		PA 166						
06/03/09	REPORT	REPORT	REPORT		REPORT	REPORT	REPORT			NOT APPLICABLE	NOT APPLICABLE
Lab	REPORT	REPORT	REPORT		REPORT	REPORT	REPORT				
	REPORT	REPORT	REPORT		REPORT	REPORT	REPORT				

Comments: Any questions in regards to the monitoring report form can be directed to S. Rosenwinkel of the US EPA - Region 2 at (609)232-4860.

New Jersey Department of Environmental Protection
Division of Water Quality

PI 46814

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
	06	1	2011		06	30	2011	

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:

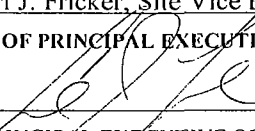
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

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

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NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	07/21/2011 856-339-1102
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:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

484A SW Outfall 484A

6/1/2011 TO 6/30/2011

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	374	506	MGD	*****	*****	*****		0	1/Day	CALC TO
	PERMIT REQUIREMENT	REPORT 0.1 MOAV	REPORT 0.1 DAMN								
	OL										
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.5	*****	7.7	SU	0	1/week	GRAB
	PERMIT REQUIREMENT				0.0 0.1 DAMN		0.0 0.1 DAMN			1/Week	GRAB
	OL										
pH 00400 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	7.7	*****	7.9	SU	0	1/week	GRAB
	PERMIT REQUIREMENT				REPORT 0.1 DAMN		REPORT 0.1 DAMN			1/Week	GRAB
	OL										
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	CODE=N	*****	*****	%EFFL	0	CODE=N	CODE=N
	PERMIT REQUIREMENT				50 0.1 DAMN					2/Week	COMPO
	OL										
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					0.0 0.1 MOAV	0.0 0.1 DAMN			3/Week	GRAB
	OL										
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 0.1 MOAV	0.2 0.1 DAMN			3/Week	GRAB
	OL										

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

PI 46814

PERMIT NUMBER: N10003522 MONITORED LOCATION: 484A SW Outfall 484A MONITORING PERIOD: 6/1/2011 TO 6/30/2011 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, DEG.C	SAMPLE MEASUREMENT	*****	*****		*****	33.2	36.6		0	1 Day	CONTIN
Effluent Gross Value					REPORT 11MOAY	REPORT 11MOAY		DEG.C			
Lab Certification #	SAMPLE MEASUREMENT	17327	17451		PA 166						
99999 99 Lab		REPORT Lab	REPORT Lab		REPORT Lab	REPORT Lab	REPORT Lab			NOT APPLIC	NOT AP

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

New Jersey Department of Environmental Protection
Division of Water Quality

PI 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD	MONITORED LOCATION:													
NJ0005622	<table border="1"> <tr> <td>Month</td> <td>Day</td> <td>Year</td> <td rowspan="2">To</td> <td>Month</td> <td>Day</td> <td>Year</td> </tr> <tr> <td>06</td> <td>1</td> <td>2011</td> <td>06</td> <td>30</td> <td>2011</td> </tr> </table>	Month	Day	Year	To	Month	Day	Year	06	1	2011	06	30	2011	485A – SW Outfall 485A
Month	Day	Year	To	Month		Day	Year								
06	1	2011		06	30	2011									

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:

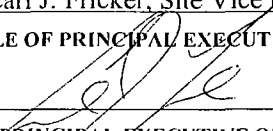
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

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

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<u>Carl J. Fricker, Site Vice President - Salem</u> NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	<u>N/A</u> GRADE AND REGISTRY NUMBER (IF APPLICABLE)
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	<u>07/21/2011</u> <u>856-339-1102</u> 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.

<u>N/A</u> NAME AND TITLE	<u>N/A</u> SIGNATURE	<u>N/A</u> DATE	<u>N/A</u> AREA CODE/PHONE NUMBER
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Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

485A SW Outfall 485A

6/1/2011 TO 6/30/2011

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	SAMPLE MEASUREMENT	314	448	MGD	*****	*****	*****		0	1/day	CALC'D
50050 1	REPORT REQUIRED	REPORT REQUIRED	REPORT REQUIRED								
Effluent Gross Value	OL										
pH	SAMPLE MEASUREMENT	*****	*****		7.4	*****	7.8	SU	0	1/week	GRAB
00400 1	REPORT REQUIRED			*****	6.0 01DAMN		6.0 01DAMN			1/week	GRAB
Effluent Gross Value	OL										
pH	SAMPLE MEASUREMENT	*****	*****		7.7	*****	7.9	SU	0	1/week	GRAB
00400 7	REPORT REQUIRED			*****	REPORT 01DAMN		REPORT 01DAMN			1/week	GRAB
Intake From Stream	OL										
LC50 Statre 96hr Acu	SAMPLE MEASUREMENT	*****	*****		CODE=N	*****	*****		0	CODE=N	CODE=N
Cyprinodon	REPORT REQUIRED			*****	50 01DAMN			%EFFL		12/Year	COMPOS
TAN6A 1	OL										
Effluent Gross Value											
Chlorine Produced	SAMPLE MEASUREMENT	*****	*****		*****	CODE=N	CODE=N		0	CODE=N	CODE=N
Oxidants	REPORT REQUIRED			*****	0.5 01MOAY		0.5 01DAMN	MG/L		3/Week	GRAB
*CPOX 1	OL										
Effluent Gross Value											
Option 1											
Chlorine Produced	SAMPLE MEASUREMENT	*****	*****		*****	<0.1	<0.1		0	3/week	GRAB
Oxidants	REPORT REQUIRED			*****	REPORT 01DAMN		0.2 01DAMN	MG/L		3/Week	GRAB
*CPOX 1	OL										
Effluent Gross Value											
Option 2											

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 43814

PERMIT NUMBER: NJ0005622 MONITORED LOCATION: 485A SW Outfall 485A MONITORING PERIOD: 6/1/2011 TO 6/30/2011 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, °C	SAMPLE MEASUREMENT	*****	*****		*****	33.7	37.8		0	1/Day	CONTIN
00010 1 Effluent Gross Value	PERMIT REQUIREMENT			*****	REPORT OF NOAV		REPORT OF DATA	DEG.C		1/Day	CONTIN
	OF										
Lab Certification #	SAMPLE MEASUREMENT	17327	17451		PA 166						
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab	REPORT Lab		REPORT Lab		REPORT Lab			Not Applicable	NOT APPLIC
	OF										

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

PI 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD						MONITORED LOCATION:
NJ0005622	Month	Day	Year	To	Month	Day	Year
	06	1	2011		06	30	2011
486A – SW Outfall 486A							

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:

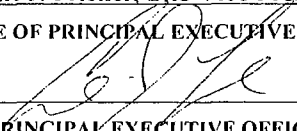
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

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.

Carl J. Fricker, Site Vice President - Salem	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	07/21/2011 856-339-1102
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:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0005622

486A SW Outfall 486A

6/1/2011 TO 6/30/2011

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	261	434	MGD	*****	*****	*****	*****	0	1/Day	CALC'D
	REPORT REQUIRED	REPORT REQUIRED	REPORT REQUIRED		*****	*****	*****			1/Day	CALC'D
	GL										
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.2	*****	7.7	SU	0	1/week	GRAB
	REPORT REQUIRED				6.0 01DAMN		9.0 01DAMN			1/week	GRAB
	GL										
pH 00400 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	7.7	*****	7.9	SU	0	1/week	GRAB
	REPORT REQUIRED				REPORT 01DAMN		REPORT 01DAMN			1/week	GRAB
	GL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value Option 1	SAMPLE MEASUREMENT	*****	*****	*****	*****	CODE=N	CODE=N	MG/L	0	CODE=N	CODE=N
	REPORT REQUIRED					0.5 01DAMN	0.5 01DAMN			3/Week	GRAB
	GL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value Option 2	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3/week	GRAB
	REPORT REQUIRED					REPORT 01DAMN	0.2 01DAMN			3/Week	GRAB
	GL										
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	33.8	38.9	DEG.C	0	1/Day	CONTIN
	REPORT REQUIRED					REPORT 01DAMN	REPORT 01DAMN			1/Day	CONTIN
	GL										

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 46314

PI 46314

PERMIT NUMBER: NJ0005622 MONITORED LOCATION: 486A SW Outfall 486A MONITORING PERIOD: 6/1/2011 TO 6/30/2011 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATION

PARAMETER		QUANTITY OR LOADING ANALYSIS		UNITS TYPE	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Lab Certification #	SAMPLE MEASUREMENT	17327	17451		PA 166						
99999 99	REPORT Lab	REPORT Lab	REPORT Lab		REPORT Lab	REPORT Lab	REPORT Lab				
Lab	REPORT Lab	REPORT Lab	REPORT Lab		REPORT Lab	REPORT Lab	REPORT Lab				

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

PI 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD						MONITORED LOCATION:
NJ0005622	Month	Day	Year	To	Month	Day	Year
	06	1	2011		06	30	2011
487B – SW Outfall 487B							

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:



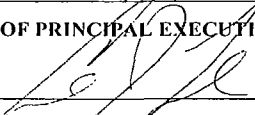
No Discharge this Monitoring Period



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.

_____ Carl J. Fricker, Site Vice President - Salem	_____ N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
_____ 	_____ 07/21/2011 856-339-1102
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

New Jersey Department of Environmental Protection
Division of Water Quality

PI 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD	MONITORED LOCATION:												
NJ0005622	<table border="1"><tr><td>Month</td><td>Day</td><td>Year</td></tr><tr><td>06</td><td>1</td><td>2011</td></tr></table> To <table border="1"><tr><td>Month</td><td>Day</td><td>Year</td></tr><tr><td>06</td><td>30</td><td>2011</td></tr></table>	Month	Day	Year	06	1	2011	Month	Day	Year	06	30	2011	489A – SW Outfall 489A
Month	Day	Year												
06	1	2011												
Month	Day	Year												
06	30	2011												

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:

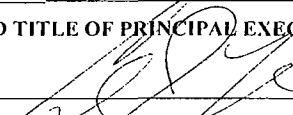
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

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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:

MONITORED LOCATION:

MONITORING PERIOD:


FACILITY NAME:

NJ0005622

489A SW Outfall 489A

6/1/2011 TO 6/30/2011

PSEG NUCLEAR LLC SALEM GENERATOR

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	0.0160	0.0160	MGD	*****	*****	*****	*****	0	1/MONTH	CALCTD
	REPORT REQUIRED	REPORT	REPORT		*****	*****	*****			1/MONTH	CALCTD
	GL										
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.8	*****	7.8	SU	0	1/MONTH	GRAB
	REPORT REQUIRED				*****	*****	*****			1/MONTH	GRAB
	GL										
Solids, Total Suspended 00530 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	11	11	*****	MG/L	0	1/MONTH	GRAB
	REPORT REQUIRED				*****	*****	*****			1/MONTH	GRAB
	GL										
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	<5	<5	MG/L	0	1/MONTH	GRAB
	REPORT REQUIRED				*****	*****	*****			1/MONTH	GRAB
	GL										
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	9	9	MG/L	0	1/MONTH	GRAB
	REPORT REQUIRED				*****	*****	*****			1/MONTH	GRAB
	GL										
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17327	17451		PA166						
	REPORT REQUIRED	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applicable	Not Applicable
	GL										

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".