

DEC 21 2011

SCH11-045



CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7007 2560 0002 0170 0818

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**

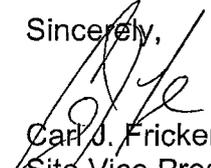
Dear Sir:

Attached is the Discharge Monitoring Report for the Salem Generating Station for the month of November 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

JEAS
MRB

Attachment (12 DMR's)

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

EXPLANATION OF CONDITIONS

November 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

November 2011

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

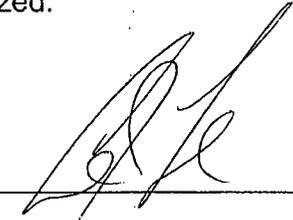
DSN No.	EXPLANATION
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None.	
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COUNTY OF SALEM
STATE OF NEW JERSEY

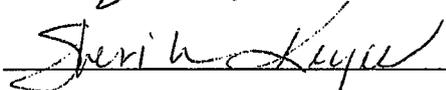
I, Carl J. Fricker of full age, being duly sworn according to law, upon my oath depose and say:

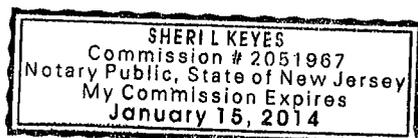
1. I am the Vice President – Salem for PSEG Nuclear, and as such am authorized to sign Salem's Discharge Monitoring Reports submitted to the New Jersey Department of Environmental Protection pursuant to the Station's New Jersey Pollutant Discharge Elimination System permit.
2. I certify under penalty 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 20 day of December 2011





BC Site Vice President – Salem
Director – Regulatory Affairs
Nuclear Environmental Affairs - Manager
Helen Gregory
Chem File SCH11-045

New Jersey Department of Environmental Protection
Division of Water Quality

PI 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: FACA – SW Outfall FACA
	Month 11	Day 1	Year 2011	To	Month 11	Day 30	

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.

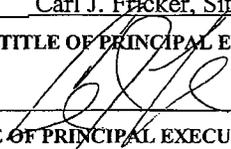
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate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



12/21/2011 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: NJ0005622
 MONITORED LOCATION: FACA SW Outfall FACA
 MONITORING PERIOD: 11/1/2011 TO 11/30/2011
 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, oC 00010 G Raw Sew/Influent	SAMPLE MEASUREMENT	*****	*****		*****	11.7	13.0		0	Continuous	CONTIN
	PERMIT REQUIREMENT			*****		REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	CONTIN
	QL										
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	17.4	20.8		0	Continuous	CONTIN
	PERMIT REQUIREMENT			*****		REPORT 01MOAV	43.3 01DAMX	DEG.C		Continuous	CONTIN
	QL										
Temperature, oC 00010 2 Effluent Net Value	SAMPLE MEASUREMENT	*****	*****		*****	5.7	9.5		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		PA 166						
	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".

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD						MONITORED LOCATION:	
	Month	Day	Year	To	Month	Day		Year
NJ0005622	11	1	2011		11	30	2011	FACB – SW Outfall FACB

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

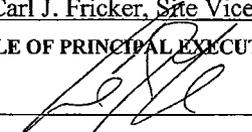
REPORT RECIPIENT:
 PSEG NUCLEAR LLC
 PO BOX 236/N21
 HANCOCKS BRIDGE, NJ 08038

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)
	12/21/2011 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: NJ0005622
 MONITORED LOCATION: FACB SW Outfall FACB
 MONITORING PERIOD: 11/1/2011 TO 11/30/2011
 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, oC 00010 G Raw Sew/Influent	SAMPLE MEASUREMENT	*****	*****		*****	11.7	13.0		0	Continuous	CONTIN
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	20.8	23.4		0	Continuous	CONTIN
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	43.3 01DAMX	DEG.C		Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	SAMPLE MEASUREMENT	*****	*****		*****	9.1	11.5		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		PA 166						
	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

PI 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: FACC – SW Outfall FACC
	Month 11	Day 1	Year 2011	To	Month 11	Day 30	

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

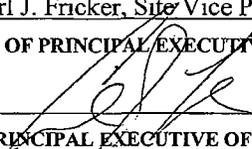
REPORT RECIPIENT:
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

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)
	12/21/2011 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: NJ0005622
 MONITORED LOCATION: FACC SW Outfall FACC
 MONITORING PERIOD: 11/1/2011 TO 11/30/2011
 FACILITY NAME: 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 G Raw Sew/influent	SAMPLE MEASUREMENT	1804	2709	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	9751	16175	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		PA 166						
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		REPORT Lab #	Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****		*****	*****	*****

Comments: If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Region 2 at (609)292-4860 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 NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 048C – SW Outfall 48C
	Month 11	Day 1	Year 2011	To	Month 11	Day 30	

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

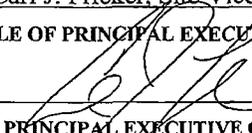
REPORT RECIPIENT:
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

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)
_____ 	12/21/2011 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

048C SW Outfall 48C

11/1/2011 TO 11/30/2011

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	0.4211	0.8342	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	*****	*****	*****	*****	3	4	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	8	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	*****	*****	*****	*****	5	5	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

PI 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 481A – SW Outfall 481A
	Month 11	Day 1	Year 2011	To	Month 11	Day 30	

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

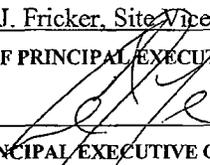
REPORT RECIPIENT:
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

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)
	12/21/2011 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:

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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: 481A SW Outfall 481A MONITORING PERIOD: 11/1/2011 TO 11/30/2011 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE	
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	207	477	MGD	*****	*****	*****	*****	0	1/Day	CALCTO	
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****		*****			
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.6	*****	7.8	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	*****	*****	*****	7.1	*****	7.8	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	*****	*****	*****	*****	<0.1	0.1	MG/L	0	3/Week	GRAB	
	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.

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 481A SW Outfall 481A
 MONITORING PERIOD: 11/1/2011 TO 11/30/2011
 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, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	17.2	21.6		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		PA 166						
	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

PI 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 482A – SW Outfall 482A
	Month 11	Day 1	Year 2011	To	Month 11	Day 30	

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

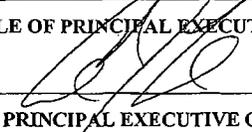
REPORT RECIPIENT:
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

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.

<u>Carl J. Fricker, Site Vice President - Salem</u>	<u>N/A</u>
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	<u>12/21/2011 856-339-1102</u>
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.

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

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 482A SW Outfall 482A
 MONITORING PERIOD: 11/1/2011 TO 11/30/2011
 FACILITY NAME: 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	147	458	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	*****	7.8	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	*****	*****	*****	7.1	*****	7.8	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	*****		*****	*****	12/Year	COMPOS
	QL	*****	*****		*****	*****	*****		*****	*****	*****	*****
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value Option 1	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	0.2	MGL	0	3/Week	GRAB	
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.3 01MOAV		0.5 01DAMX	*****	3/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****	*****	*****
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value Option 2	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	<0.1	MGL	0	3/Week	GRAB	
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		0.2 01DAMX	*****	3/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****	*****	*****

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

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 482A SW Outfall 482A
 MONITORING PERIOD: 11/1/2011 TO 11/30/2011
 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	17.0	23.3		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		PA 166						
	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

Pl 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 483A – SW Outfall 483A
	Month 11	Day 1	Year 2011	To	Month 11	Day 30	

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

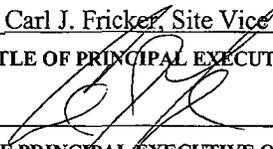
REPORT RECIPIENT:
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

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)	
	12/21/2011	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

483A SW Outfall 483A

11/1/2011 TO 11/30/2011

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	135	425	MGD	*****	*****	*****	*****	0	1/Day	CALCTO	
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****		*****	*****	*****	
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.5	*****	7.8	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	*****	*****	*****	7.1	*****	7.8	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	*****	*****	*****	*****	<0.1	0.2	MG/L	0	3/week	GRAB	
	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	*****	*****	*****	*****	17.8	23.1	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.

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 483A SW Outfall 483A
 MONITORING PERIOD: 11/1/2011 TO 11/30/2011
 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Lab Certification #	X										
99999 99	SAMPLE MEASUREMENT	17327	17451		PA166						
Lab	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applicable	NOT APPLICABLE
	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

PI 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 484A – SW Outfall 484A
	Month 11	Day 1	Year 2011	To	Month 11	Day 30	

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

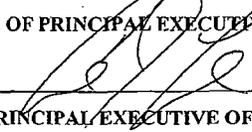
REPORT RECIPIENT:
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

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)
	12/21/2011 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

484A SW Outfall 484A

11/1/2011 TO 11/30/2011

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	475	511	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	*****	*****	*****	7.1	*****	7.8	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	MGL	0	CODE=N	CODE=N	
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.3 01MOAV		0.5 01DAMX	*****	3/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****	*****	
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value Option 2	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	<0.1	MGL	0	3/Week	GRAB	
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		0.2 01DAMX	*****	3/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****	*****	

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

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 484A SW Outfall 484A
 MONITORING PERIOD: 11/1/2011 TO 11/30/2011
 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, °C 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	21.1	26.4		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		PA 166						
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applicable	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

PI 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 485A – SW Outfall 485A
	Month 11	Day 1	Year 2011	To	Month 11	Day 30	

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

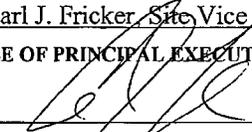
REPORT RECIPIENT:
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

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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<u>Carl J. Fricker, Site Vice President - Salem</u>	<u>N/A</u>
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	<u>12/21/2011 856-339-1102</u>
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.

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

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622 MONITORED LOCATION: 485A SW Outfall 485A MONITORING PERIOD: 11/1/2011 TO 11/30/2011 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE	
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	471	472	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	*****	7.8	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	*****	*****	*****	7.1	*****	7.8	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.

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 485A SW Outfall 485A
 MONITORING PERIOD: 11/1/2011 TO 11/30/2011
 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATING STATION

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
		*****	*****		*****						
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	20.8	24.9	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		PA 166						
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applicable	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

Pl 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 486A – SW Outfall 486A
	Month 11	Day 1	Year 2011	To	Month 11	Day 30	

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

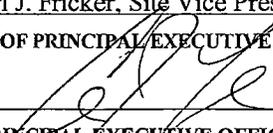
REPORT RECIPIENT:
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

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)
	12/21/2011 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: NJ0005622
 MONITORED LOCATION: 486A SW Outfall 486A
 MONITORING PERIOD: 11/1/2011 TO 11/30/2011
 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE	
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	434	461	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	*****	*****	*****	7.1	*****	7.8	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		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	*****	*****	*****	*****	20.9	26.6	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.

Surface Water Discharge Monitoring Report

PI 46814

PERMIT NUMBER: NJ0005622
 MONITORED LOCATION: 486A SW Outfall 486A
 MONITORING PERIOD: 11/1/2011 TO 11/30/2011
 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATI

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Lab Certification #	X										
	SAMPLE MEASUREMENT	17327	17451		PA 166						
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applicable	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

PI 46814

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
	11	1	2011		11	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

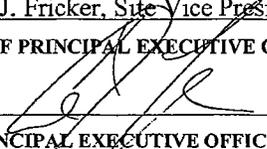
REPORT RECIPIENT:
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

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.

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)
	12/21/2011 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

New Jersey Department of Environmental Protection
Division of Water Quality

Pl 46814

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT NJ0005622	MONITORING PERIOD						MONITORED LOCATION: 489A – SW Outfall 489A
	Month 11	Day 1	Year 2011	To	Month 11	Day 30	

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

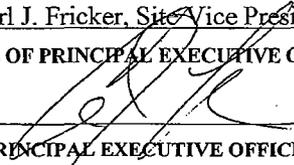
REPORT RECIPIENT:
PSEG NUCLEAR LLC
PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

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)
	12/21/2011 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: NJ0005622
 MONITORED LOCATION: 489A SW Outfall 489A
 MONITORING PERIOD: 11/1/2011 TO 11/30/2011
 FACILITY NAME: PSEG NUCLEAR LLC SALEM GENERATING

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE	
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	0.0384	0.0384	MGD	*****	*****	*****	*****	0	1/Month	GRAB	
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX								1/Month	CALCTD
	QL											
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	7.4	*****	7.4	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	*****	*****	*****	39	25	*****	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	*****	*****	*****	*****	5	5	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		PA 166							
	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 "rosenwi@dep.state.nj.us".