

PSEG Nuclear L.L.C.
PO Box 236, Hancocks Bridge, NJ 08302

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7015 1730 0001 1594 6134
Document Control Desk
USNRC
Docket Numbers 50-272&50-311
Washington, DC
20555



NOV 23 2016

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

Dear Sir:

Attached is a copy of the Discharge Monitoring Report for the Salem Generating Station for the month of October 2016. The original report has been submitted to the NJDEP via electronic DMR.

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,

A handwritten signature in black ink, appearing to read "Charles V. McFeaters", written over a horizontal line.

Charles V. McFeaters
Site Vice President – Salem

Attachment (12 DMR's)

C Executive Director, DRBC



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 10/1/2016

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 10/01/2016 - 10/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 10/01/2016 To 10/31/2016
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 10/01/2016 - 10/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/Influent	Sample Measurement				19.5	22.4			0	Continuous	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	DEG C			Continuous	CONTIN
	QL										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				27.4	31.2			0	Continuous	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	DEG C			Continuous	CONTIN
	QL										
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement				7.9	9.3			0	1 Day	CALCTD
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	DEG C			1/Day	CALCTD
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA166	17327		06003	PA010			0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #				Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 10/01/2016 - 10/31/2016

Permittee:

PSEG 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

NJPDES Permit Number:

NJ0005622

Monitoring Period:

10/01/2016 To 10/31/2016

Monitored Location:

FACB SW Outfall FACB

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 10/01/2016 - 10/31/2016

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C	Sample Measurement				19.5	22.4		0	Continuous	CONTIN
00010 G	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	DEG C		Continuous	CONTIN
Raw Sew/Influent	QCL									
Temperature, °C	Sample Measurement				27.4	31.5		0	Continuous	CONTIN
00010 1	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	DEG C		Continuous	CONTIN
Effluent Gross Value	QCL									
Temperature, °C	Sample Measurement				7.9	9.2		0	1 Day	CONTIN
00010 2	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	DEG C		1/Day	CALC'D
Effluent Net Value	QCL									
Lab Certification #	Sample Measurement	PA166	17327		06003	PA010		0	Not Applic	NOT AP
99999 99	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
Lab	QCL									



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 10/01/2016 - 10/31/2016

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622
Monitoring Period: 10/01/2016 To 10/31/2016
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 10/01/2016 - 10/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2544	2601						0	1 Day	CALCTD
	Permit Requirement	13021	REPORT	MGD						1/Day	CALCTD
	QL	01MOAV	01DAMX								
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	13020	13235						0	1 Day	CALCTD
	Permit Requirement	REPORT	30600	MBTU/HR						1/Day	CALCTD
	QL	01MOAV	01DAMX								
Lab Certification # 99999 99 Lab	Sample Measurement	PA166	17327		06003	PA010	PA011		0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	QL	Lab/	Lab/		Lab/	Lab/	Lab/				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 10/01/2016 - 10/31/2016

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

NJPDES Permit Number:

NJ0005622

Monitoring Period:

10/01/2016 To 10/31/2016

Monitored Location:

048C SW Outfall 48C

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 10/01/2016 - 10/31/2016

Discharge Monitoring Data:												
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type	
Flow, In Conduit or Thru Treatment Plant 50050-1 Effluent Gross Value	Sample Measurement	0.2272	0.5345	MGD					0	1 Day	CALCTD	
	Permit Requirement	REPORT	REPORT								1/Day	CALCTD
	QL											
Solids, Total Suspended 00530-1 Effluent Gross Value	Sample Measurement					11	11	MG/L	0	2 Month	COMPOS	
	Permit Requirement					30	100				2/Month	COMPOS
	QL					0.1MOAV	0.1DAMX					
Nitrogen, Ammonia Total (as N) 00610-1 Effluent Gross Value	Sample Measurement					10	20	MG/L	0	2 Month	COMPOS	
	Permit Requirement					35	70				2/Month	COMPOS
	QL					0.1MOAV	0.1DAMX					
Petroleum Hydrocarbons 00551-1 Effluent Gross Value	Sample Measurement					<2	<2	MG/L	0	2 Month	GRAB	
	Permit Requirement					10	15				2/Month	GRAB
	QL					0.1MOAV	0.1DAMX					
Carbon, Tot Organic (TOC) 00680-1 Effluent Gross Value	Sample Measurement					14	20	MG/L	0	2 Month	COMPOS	
	Permit Requirement					REPORT	50				2/Month	COMPOS
	QL					0.1MOAV	0.1DAMX					
Lab Certification # 09999-99 Lab	Sample Measurement	PA166	17327		06003	PA010	PA011		0	Not Applic	NOT AP	
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				Not Applic	NOT AP
	QL	Lab #	Lab #		Lab #	Lab #	Lab #					



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 10/01/2016 - 10/31/2016

Permittee:

PSEG 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

NJPDES Permit Number:

NJ0005622

Monitoring Period:

10/01/2016 To 10/31/2016

Monitored Location:

481A SW Outfall 481A

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable:

☐ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 10/01/2016 - 10/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	458	459						0	1 Day	CALC'D
50050 1	Permit Requirement	REPORT	REPORT	MGD							
Effluent Gross Value	Requirement	0.01MOAV	0.01DAMX							1/Day	CALC'D
	GL										
pH	Sample Measurement				7.0		7.0		0	1 Week	GRAB
00400 1	Permit Requirement				8.0		8.0	SU		1/Week	GRAB
Effluent Gross Value	Requirement				0.01DAMN		0.01DAMX				
	GL										
pH	Sample Measurement				7.0		8.0		0	1 Week	GRAB
00400 7	Permit Requirement				REPORT		REPORT	SU		1/Week	GRAB
Intake From Stream	Requirement				0.01DAMN		0.01DAMX				
	GL										
LC50 State 96hr Acu Cypripedium	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
TANGA 1	Permit Requirement				REPORT						
Effluent Gross Value	Requirement				0.01DAMN					2/Year	COMPOS
	GL										
Chlorine Produced Oxidants	Sample Measurement				CODE=N Not Required				0	3 Week	GRAB
CPDX 1	Permit Requirement						0.5	MG/L			
Effluent Gross Value	Requirement						0.01MOAV			1/Week	GRAB
1	GL										
Chlorine Produced Oxidants	Sample Measurement						<0.1		0	3 Week	GRAB
CPDX 1	Permit Requirement						0.2	MG/L			
Effluent Gross Value	Requirement						0.01MOAV			3/Week	GRAB
2	GL										
Temperature, oC	Sample Measurement				27.1		30.0		0	1 Day	CONTIN
00010 1	Permit Requirement										
Effluent Gross Value	Requirement				REPORT		REPORT	DEG C		1/Day	CONTIN
	GL				0.01MOAV		0.01DAMX				
Lab Certification //	Sample Measurement	PA166	17327		06003	PA010	PA011		0	Not Applic	NOT AP
00999 99	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
Lab	Requirement	Lab //	Lab //		Lab //	Lab //	Lab //			Not Applic	NOT AP
	GL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

Pl: 46814
Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 10/01/2016 - 10/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 10/01/2016 To 10/31/2016
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pt: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 10/01/2016 - 10/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit, or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	437	438	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX							1/Day	CALCTD
pH	Sample Measurement				7.6		7.4		0	1 Week	GRAB
00400 1 Effluent Gross Value	Permit Requirement				REPORT 01DAMX		REPORT 01DAMX			1/Week	GRAB
pH	Sample Measurement				7.8		8.0		0	1 Week	GRAB
00400 7 Intake From Stream	Permit Requirement				REPORT 01DAMX		REPORT 01DAMX			1/Week	GRAB
LC50 Static Water Acu Cynobacter TANGA 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required				0	Not Applic	NOT AP
	Permit Requirement				REPORT 01DAMX					12/Year	COMPOS
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required				0	Not Applic	NOT AP
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX			1/Week	GRAB
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value	Sample Measurement				<0.1		<0.1		0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX			3/Week	GRAB
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				27.4		31.6		0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX			1/Day	CONTIN
Lab Certification //	Sample Measurement	PA106	17327		06003	PA010	PA011		0	Not Applic	NOT AP
09900 1 Lab	Permit Requirement	REPORT 1/Day	REPORT 1/Day		REPORT 1/Day	REPORT 1/Day	REPORT 1/Day			Not Applic	NOT AP



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814
Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 10/01/2016 - 10/31/2016

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622
Monitoring Period: 10/01/2016 To 10/31/2016
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 10/01/2016 - 10/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value:	Sample Measurement	426	452						0	1 Day	CALCTD
	Permit Requirement	REPORT	REPORT	MGD							
	OL	01MOAV	01DAMX							1 Day	CALCTD
pH 00400 1 Effluent Gross Value	Sample Measurement				7.8		7.8		0	1 Day	GRAB
	Permit Requirement				0.0		0.0	SU		1 Week	GRAB
	OL				01DAMN		01DAMX				
pH 00400 7 Intake From Stream	Sample Measurement				7.8		8.0		0	1 Week	GRAB
	Permit Requirement				REPORT		REPORT	SU		1 Week	GRAB
	OL				01DAMN		01DAMX				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N	Not Req	E=N	Not Required	0	3 Week	GRAB
	Permit Requirement				0.5		0.5	MG/L		1 Week	GRAB
	OL				01MOAV		01DAMX				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1		<0.1		0	3 Week	GRAB
	Permit Requirement				REPORT		0.2	MG/L		3 Week	GRAB
	OL				01MOAV		01DAMX				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				27.8		34.0		0	1 Day	CONTIN
	Permit Requirement				REPORT		REPORT	DEG.C			
	OL				01MOAV		01DAMX			1 Day	CONTIN
Lab Certification #1 99999 99 Lab	Sample Measurement	PA166	17327		06003	PA010	PA011		0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	OL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 10/01/2016 - 10/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 10/01/2016 To 10/31/2016
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 10/01/2016 - 10/31/2016

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Third Treatment Plant	Sample Measurement	459	464						0	1 Day	CALCTD
50050-1 Effluent Gross Value	Permit Requirement	REPORT	REPORT	MGD						1 Day	CALCTD
	OL	01MOAV	01DAMX								
pH	Sample Measurement				7.6		7.8		0	1 Week	GRAB
00400-1 Effluent Gross Value	Permit Requirement				6.0		8.0	GU		1/Week	GRAB
	OL				01DAMN		01DAMX				
pH	Sample Measurement				7.8		8.0		0	1 Week	GRAB
00400-7 Intake From Sluiceway	Permit Requirement				REPORT		REPORT	GU		1/Week	GRAB
	OL				01DAMN		01DAMX				
LC50 Staircase Acute Cyprinodon	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
TAN6A-1 Effluent Gross Value	Permit Requirement				REPORT			LEPPL		2/Year	COMPOS
	OL				01DAMN						
Chlorine Produced Oxidants	Sample Measurement				CODE=N Not Required				0	3 Week	GRAB
*CPOX-1 Effluent Gross Value	Permit Requirement				REPORT		REPORT	MGL		1/Week	GRAB
	OL				01MOAV		01DAMX				
Chlorine Produced Oxidants	Sample Measurement				<0.1		<0.1		0	3 Week	GRAB
*CPOX-1 Effluent Gross Value	Permit Requirement				REPORT		REPORT	MGL		1/Week	GRAB
	OL				01MOAV		01DAMX				
Temperature, °C	Sample Measurement				27.4		32.1		0	1 Day	CONTIN
00010-1 Effluent Gross Value	Permit Requirement				REPORT		REPORT	DEGC		1/Day	CONTIN
	OL				01MOAV		01DAMX				
Lab Certification #	Sample Measurement	PA166	17327		06003	PA010	PA011		0	Not Applic	NOT AP
00000-99 Lab	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	OL				Lab #	Lab #	Lab #				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 10/01/2016 - 10/31/2016

Permittee:

PSEG 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

NJPDES Permit Number:

NJ0005622

Monitoring Period:

10/01/2016 To 10/31/2016

Monitored Location:

485A SW Outfall 485A

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period.

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 405A SW Outfall 405A - 10/01/2016 - 10/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	400	439							1	CALC'D
50050 1 Effluent Gross Value	Permit Requirement	REPORT	REPORT	MGD					0	Day	
	Requirement	0.01MOAV	0.01DAMX							1/Day	CALC'D
pH	Sample Measurement				7.5		7.8		0	1 Week	GRAB
00400 1 Effluent Gross Value	Permit Requirement				6.0		8.0	SU		1/Week	GRAB
	Requirement				0.01DAMN		0.01DAMX				
pH	Sample Measurement				7.0		8.0		0	1 Week	GRAB
00400 7 Intake From Stream	Permit Requirement				REPORT		REPORT	SU		1/Week	GRAB
	Requirement				0.01DAMN		0.01DAMX				
LC50 Static 96hr Aci Cyprinodon	Sample Measurement				CODE=N	Not Required			0	2 Year	COMPOS
TANCA 1 Effluent Gross Value	Permit Requirement				REPORT			NEEFL		2/Year	COMPOS
	Requirement				0.01DAMN						
Chlorine Produced Oxidants	Sample Measurement				CODE=N	Not Required	E=N	Not Required	0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement					0.5	0.5	MGL		1/Week	GRAB
	Requirement				0.01MOAV		0.01DAMX				
Chlorine Produced Oxidants	Sample Measurement					<0.1	<0.1		0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement					REPORT	0.1	MGL		1/Week	GRAB
	Requirement				0.01MOAV		0.01DAMX				
Temperature, °C	Sample Measurement				27.0		33.0		0	1 Day	CONTIN
00010 1 Effluent Gross Value	Permit Requirement				REPORT		REPORT	DEGC		1/Day	CONTIN
	Requirement				0.01MOAV		0.01DAMX				
Lab Certification #	Sample Measurement	PA166	17327		00003	PA010	PA011		0	Not Applicable	NOT AP
00000 99 Lab	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applicable	NOT AP
	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 10/01/2016 - 10/31/2016

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622
Monitoring Period: 10/01/2016 To 10/31/2016
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 10/01/2016 - 10/31/2016

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow, in Conduit or Thru Treatment Plant 50050 G Raw Sewinfluent	Sample Measurement	93	105	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX							1 Day	CALCTD
	OL										
Flow, in Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	452	456	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX							1 Day	CALCTD
	OL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.6		7.8		0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX			1 Week	GRAB
	OL										
pH 00400 7 Intake From Stream	Sample Measurement				7.8		8.0		0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX			1 Week	GRAB
	OL										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 1	Sample Measurement					CODE=N Not Rep	E=N Not Rep		0	3 Week	GRAB
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX			3 Week	GRAB
	OL										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 2	Sample Measurement					<0.1	<0.1		0	3 Week	GRAB
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX			3 Week	GRAB
	OL										
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement				27.3		31.9		0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX			1 Day	CONTIN
	OL										
Lab Certification # 00000 09 Lab	Sample Measurement	PA106	17327		06003	PA010	PA011		0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	OL										



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 10/1/2016

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 10/01/2016 - 10/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 10/01/2016 To 10/31/2016
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 10/01/2016 - 10/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 10/01/2016 To 10/31/2016
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 10/01/2016 - 10/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	0.0325	0.0325						0	1 Month	CALCTD
50050 1	Permit Requirement	REPORT	REPORT	MGD							
Effluent Gross Value	Requirement	01MOAV	01DAMX							1 Month	CALCTD
	QL										
pH	Sample Measurement				7.7		7.7		0	1 Month	GRAB
00400 1	Permit Requirement				6.0		9.0	SI			
Effluent Gross Value	Requirement				01DAMN		01DAMX			1 Month	GRAB
	QL										
Solids, Total Suspended	Sample Measurement				10		10		0	1 Month	GRAB
00530 1	Permit Requirement				100		30	MG/L			
Effluent Gross Value	Requirement				01DAMX		01MOAV			1 Month	GRAB
	QL										
Petroleum Hydrocarbons	Sample Measurement						<2		0	1 Month	GRAB
00551 1	Permit Requirement						10	MC/L			
Effluent Gross Value	Requirement						01MOAV			1 Month	GRAB
	QL										
Carbon, Tot Organic (TOC)	Sample Measurement						6		0	1 Month	GRAB
00680 1	Permit Requirement						REPORT	MC/L			
Effluent Gross Value	Requirement						01MOAV			1 Month	GRAB
	QL						01DAMX				
Lab Certification #	Sample Measurement	PA166	17327		06003	PA010	PA011		0	Not Applic	NOT AP
99909 99	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
Lab	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 11/01/2016 - 11/30/2016

Permittee:

PSEG 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

NJPDES Permit Number:

NJ0005622

Monitoring Period:

11/01/2016 To 11/30/2016

Monitored Location:

FACA SW Outfall FACA

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 11/01/2016 - 11/30/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement					12.9	16.4		0	Continuous	CONTIN
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX	DEG C		Continuous	CONTIN
	QL										
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement					20.6	24.1		0	Continuous	CONTIN
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX	DEG C		Continuous	CONTIN
	QL										
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement					7.6	9.2		0	1 Day	CALCTD
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX	DEG C		1/Day	CALCTD
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 11/01/2016 - 11/30/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 11/01/2016 To 11/30/2016
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 11/01/2016 - 11/30/2016

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/influent	Sample Measurement					12.9	16.4		0	Continuous	CONTIN
	Permit Requirement					REPORT 0.1MOAV	REPORT 0.1DAMX	DEG C		Continuous	CONTIN
	QLE										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement					20.9	25.0		0	Continuous	CONTIN
	Permit Requirement					REPORT 0.1MOAV	REPORT 0.1DAMX	DEG C		Continuous	CONTIN
	QLE										
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement					8.0	9.1		0	1 Day	CALCTD
	Permit Requirement					REPORT 0.1MOAV	REPORT 0.1DAMX	DEG C		1/Day	CALCTD
	QLE										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QLE										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 11/01/2016 - 11/30/2016

Permittee:

PSEG 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

NJPDES Permit Number:

NJ0005622

Monitoring Period:

11/01/2016 To 11/30/2016

Monitored Location:

FACC SW Outfall FACC

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 11/01/2016 - 11/30/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2545	2601	MGD					0	1 Day	CALCTD
	Permit Requirement	3024	REPORT							1/Day	CALCTD
	QL	01MOAV	01DAMX								
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	12893	13234	MBTU/HR					0	1 Day	CALCTD
	Permit Requirement	REPORT	30600							1/Day	CALCTD
	QL	01MOAV	01DAMX								
Lab Certification # 999999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	QL	Lab #	Lab #		Lab #	Lab #	Lab #				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 11/01/2016 - 11/30/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 11/01/2016 To 11/30/2016
Monitored Location: 048C SW Outfall 48C
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 11/01/2016 - 11/30/2016

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.1806	0.3498	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					6	6	MG/L	0	2 Month	COMPOS
	Permit Requirement					30 01MOAV	100 01DAMX			2/Month	COMPOS
	QL										
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement					20	23	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					<2	<2	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					17	19	MG/L	0	2 Month	COMPOS
	Permit Requirement					REPORT 01MOAV	50 01DAMX			2/Month	COMPOS
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA010		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 11/01/2016 - 11/30/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 11/01/2016 To 11/30/2016
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 11/01/2016 - 11/30/2016

Discharge Monitoring Data:

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	458	459	MGD			0	1 Day	CALCTD
50050 1 Effluent Gross Value	REPORT	REPORT					1/Day	CALCTD
	Requirement	01MOAV	01DAMX					
pH	Sample Measurement			7.6	7.9	0	1 Week	GRAB
00400 1 Effluent Gross Value	REPORT	REPORT		0.0	0.0		1/Week	GRAB
	Requirement	01DAMN	01DAMX					
pH	Sample Measurement			7.0	8.0	0	1 Week	GRAB
00400 7 Intake From Stream	REPORT	REPORT		01DAMN	01DAMX		1/Week	GRAB
	Requirement							
LC50 Statire 96hr Acu Cypriodon TANGA 1 Effluent Gross Value	Sample Measurement			CODE=N Not Required		0	2 Year	COMPOS
	Requirement			01DAMN			2 Year	COMPOS
Chlorine Produced Oxidants	Sample Measurement			CODE=N Not Req	E=N Not Required	0	3 Week	GRAB
CPOX 1 Effluent Gross Value	REPORT	REPORT		0.5	0.5		3 Week	GRAB
	Requirement	01MOAV	01DAMX					
Chlorine Produced Oxidants	Sample Measurement			<0.1	<0.1	0	3 Week	GRAB
CPOX 1 Effluent Gross Value	REPORT	REPORT		01MOAV	01DAMX		3 Week	GRAB
	Requirement							
Temperature, oC	Sample Measurement			20.3	24.5	0	1 Day	CONTIN
00010 1 Effluent Gross Value	REPORT	REPORT		01MOAV	01DAMX		1/Day	CONTIN
	Requirement							
Lab Certification #	Sample Measurement	PA010	06003	17327		0	Not Applic	NOT AP
09999 99 Lnb	REPORT	REPORT		REPORT	REPORT		Not Applic	NOT AP
	Requirement	Lab #	Lab #	Lab #	Lab #			



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 10/1/2016

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 11/01/2016 - 11/30/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 11/01/2016 To 11/30/2016
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 11/01/2016 - 11/30/2016

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	424	438						0	1 Day	CALCTD
50050 1 Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1 Day	CALCTD
	QL										
pH	Sample Measurement				7.7		7.9		0	1 Week	GRAB
00400 1 Effluent Gross Value	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1 Week	GRAB
	QL										
pH	Sample Measurement				7.9		8.0		0	1 Week	GRAB
00400 7 Intake From Stream	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1 Week	GRAB
	QL										
LC50 Static 3-Hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
	Permit Requirement				REPORT 01DAMN			EFF		2 Year	COMPOS
	QL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required				0	3 Week	GRAB
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX	MGL		3 Week	GRAB
	QL										
Chlorine Produced Oxidants *CPOX 2 Effluent Gross Value	Sample Measurement					<0.1	<0.1	MGL	0	3 Week	GRAB
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX	MGL		3 Week	GRAB
	QL										
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement				20.7		24.8		0	1 Day	CONTIN
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX	DEG.C		1 Day	CONTIN
	QL										
Lab Certification #	Sample Measurement	PA010	06003		17327				0	Not Applicable	NOT AP
99999 99 Lab	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applicable	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 11/01/2016 - 11/30/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 11/01/2016 To 11/30/2016
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 11/01/2016 - 11/30/2016

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	452	452	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT	REPORT								
	Requirement	0.01MOAV	0.01DAMX							1/Day	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.8		7.9	SU	0	1 Week	GRAB
	Permit Requirement				0.0		9.0				
	Requirement				0.01DAMN		0.01DAMX			1/Week	GRAB
	QL										
pH 00400 7 Intake From Stream	Sample Measurement				7.9		8.0	SU	0	1 Week	GRAB
	Permit Requirement				REPORT		REPORT				
	Requirement				0.01DAMN		0.01DAMX			1/Week	GRAB
	QL										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Required E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement										
	Requirement				0.03		0.5			1/Week	GRAB
	QL				0.01MOAV		0.01DAMX				
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 2	Sample Measurement						<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement										
	Requirement				REPORT		0.2			1/Week	GRAB
	QL				0.01MOAV		0.01DAMX				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				20.7		25.0	DEG.C	0	1 Day	CONTIN
	Permit Requirement										
	Requirement				REPORT		REPORT			1/Day	CONTIN
	QL				0.01MOAV		0.01DAMX				
Lab Certification #/ 99999 99 Lab	Sample Measurement	PA010	00003		17327				0	Not Applic	NOT AP
	Permit Requirement										
	Requirement	REPORT	REPORT		REPORT		REPORT			Not Applic	NOT AP
	QL	Lab #	Lab #		Lab #		Lab #				



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 10/1/2016

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 11/01/2016 - 11/30/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 11/01/2016 To 11/30/2016
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 11/01/2016 - 11/30/2016

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	458	459						0	1 Day	CALCTD
50050 1 Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1 Day	CALCTD
	OL										
pH	Sample Measurement				7.9	7.9			0	1 Week	GRAB
00400 1 Effluent Gross Value	Permit Requirement				6.0 01DAMN	8.0 01DAMX		SU		1 Week	GRAB
	OL										
pH	Sample Measurement				7.9	8.0			0	1 Week	GRAB
00400 7 Intake From Stream	Permit Requirement				REPORT 01DAMN	REPORT 01DAMX		SU		1 Week	GRAB
	OL										
LC50 Statre 90hr Acu Cyprinodon	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
TANGA 1 Effluent Gross Value	Permit Requirement				REPORT 01DAMN					2 Year	COMPOS
	OL										
Chlorine Produced Oxidants	Sample Measurement				CODE=N Not Required	CODE=N Not Required			0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement				0.1 01MOAV	0.5 01DAMX		MG/L		3 Week	GRAB
	OL										
Chlorine Produced Oxidants	Sample Measurement				<0.1	<0.1			0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX		MG/L		3 Week	GRAB
	OL										
Temperature, oC	Sample Measurement				20.9	25.6			0	1 Day	CONTIN
00010 1 Effluent Gross Value	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX		DEG.C		1 Day	CONTIN
	OL										
Lab Certification #	Sample Measurement	PA010	06003		17327				0	Not Applicable	NOT AP
99999 99 Lab	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applicable	NOT AP
	OL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 11/01/2016 - 11/30/2016

Permittee:

PSEG NUCLEAR LLC
90 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

NJPDES Permit Number:

NJ0005622

Monitoring Period:

11/01/2016 To 11/30/2016

Monitored Location:

485A SW Outfall 485A

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 10/1/2016

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 11/01/2016 - 11/30/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	397	438						0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1 Day	CALCTD
	OL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.0		7.9		0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1 Week	GRAB
	OL										
pH 00400 7 Intake From Stream	Sample Measurement				7.0		8.0		0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1 Week	GRAB
	OL										
LC50 Statre 96hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
	Permit Requirement				REPORT 01DAMN			EFPL		1 Year	COMPOS
	OL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement								0	3 Week	GRAB
	Permit Requirement				CODE=N Not Required			MG/L		3 Week	GRAB
	OL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement					<0.1	<0.1		0	3 Week	
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX		MG/L		3 Week	GRAB
	OL										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				21.2		27.0		0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX		DEG.C		1 Day	CONTIN
	OL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #1	REPORT Lab #1		REPORT Lab #1	REPORT Lab #1	REPORT Lab #1			Not Applic	NOT AP
	OL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 11/01/2016 - 11/30/2016

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622

Monitoring Period: 11/01/2016 To 11/30/2016

Monitored Location: 486A SW Outfall 486A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 11/01/2016 - 11/30/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	95.48	96.10	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT	REPORT								
	01MOAV	01MOAV	01DAMX							1/Day	CALCTD
	01DAMX	01DAMX	01DAMX								
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	452	452	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT	REPORT								
	01MOAV	01MOAV	01DAMX							1/Day	CALCTD
	01DAMX	01DAMX	01DAMX								
pH 00400 1 Effluent Gross Value	Sample Measurement				7.0		7.9	SU	0	1 Week	GRAB
	Permit Requirement				REPORT		0.01				
	01DAMX				01DAMX		01DAMX			1/Week	GRAB
	01DAMX				01DAMX		01DAMX				
pH 00400 7 Intake From Stream	Sample Measurement				7.9		8.0	SU	0	1 Week	GRAB
	Permit Requirement				REPORT		REPORT				
	01DAMX				01DAMX		01DAMX			1/Week	GRAB
	01DAMX				01DAMX		01DAMX				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Req E=N Not Required				0	3 Week	GRAB
	Permit Requirement										
	01MOAV				01MOAV		01DAMX			1/Week	GRAB
	01DAMX				01DAMX		01DAMX				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1		<0.1	MGA	0	3 Week	GRAB
	Permit Requirement				REPORT		0.12				
	01MOAV				01MOAV		01DAMX			1/Week	GRAB
	01DAMX				01DAMX		01DAMX				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				20.8		25.6	DEG.C	0	1 Day	CONTIN
	Permit Requirement										
	01MOAV				REPORT		REPORT			1/Day	CONTIN
	01DAMX				01MOAV		01DAMX				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT		REPORT				
	Lab #	Lab #	Lab #		Lab #		Lab #			Not Applic	NOT AP
	Lab #	Lab #	Lab #		Lab #		Lab #				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 11/01/2016 - 11/30/2016

Permittee:

PSEG 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

NJPDES Permit Number:

NJ0005622

Monitoring Period:

11/01/2016 To 11/30/2016

Monitored Location:

487B SW Outfall 487B

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 11/01/2016 - 11/30/2016

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1	Sample Measurement	E=N	Not Req	E=N	Not Required				0	1 Batch	CALCTD
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD	REPORT 01MOAV	REPORT 01DAMX				1/Batch	CALCTD
pH	Sample Measurement				CODE=N	Not Required	CODE=N	Not Required	0	1 Batch	GRAB
00400 1	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		REPORT 01MOAV	REPORT 01DAMX	5.0			1/Batch	GRAB
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		REPORT 01MOAV	REPORT 01DAMX				1/Batch	GRAB
Solids, Total Suspended 00530 1	Sample Measurement				CODE=N	Not Required	E=N	Not Required	0	1 Batch	GRAB
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		REPORT 01MOAV	REPORT 01DAMX	MO/L			1/Batch	GRAB
Temperature, °C 00010 1	Sample Measurement				CODE=N	Not Required	E=N	Not Required	0	1 Batch	GRAB
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		REPORT 01MOAV	REPORT 01DAMX	DEG C			1/Batch	GRAB
Petroleum Hydrocarbons 00551 1	Sample Measurement				CODE=N	Not Required	E=N	Not Required	0	1 Batch	GRAB
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		REPORT 01MOAV	REPORT 01DAMX	MG/L			1/Batch	GRAB
Carbon, Tot Organic (TOC) 00680 1	Sample Measurement				CODE=N	Not Required	E=N	Not Required	0	1 Batch	GRAB
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		REPORT 01MOAV	REPORT 01DAMX	MG/L			1/Batch	GRAB
Lab Certification # 99999 99	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
Lab	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	Lab #			Not Applic	NOT AP



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 11/01/2016 - 11/30/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 11/01/2016 To 11/30/2016
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 11/01/2016 - 11/30/2016

Discharge Monitoring Data:												
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type	
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0408	0.0408	MGD					0	1 Month	CALCTD	
	Permit Requirement	REPORT 0.1MOAV	REPORT 0.1DAMX							1/Month	CALCTD	
	QL											
pH 00400 1 Effluent Gross Value	Sample Measurement				7.7		7.7	SU	0	1 Month	GRAB	
	Permit Requirement				8.0 0.1DAMN		9.0 0.1DAMX			1/Month	GRAB	
	QL											
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement				<4		<4	MGL	0	1 Month	GRAB	
	Permit Requirement				100 0.1DAMX		30 0.1MOAV			1/Month	GRAB	
	QL											
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement						<2	MGL	0	1 Month	GRAB	
	Permit Requirement						10 0.1MOAV		15 0.1DAMX		1/Month	GRAB
	QL											
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement						6	MGL	0	1 Month	GRAB	
	Permit Requirement						REPORT 0.1MOAV		50 0.1DAMX		1/Month	GRAB
	QL											
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP	
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #					Not Applic	NOT AP	
	QL											



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 12/01/2016 - 12/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 12/01/2016 To 12/31/2016
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 12/01/2016 - 12/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement				6.7	10.6			0	Continuous	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX		DEG.C		Continuous	CONTIN
	QL										
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement				15.0	18.4			0	Continuous	CONTIN
	Permit Requirement				REPORT 01MOAV	43.3 REPORT 01DAMX		DEG.C		Continuous	CONTIN
	QL										
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement				8.3	9.6			0	1 Day	CALCTD
	Permit Requirement				REPORT 01MOAV	15.3 REPORT 01DAMX		DEG.C		1/Day	CALCTD
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 12/01/2016 - 12/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 12/01/2016 To 12/31/2016
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 12/01/2016 - 12/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/Influent	Sample Measurement				6.7	10.6			0	Continuous	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX		DEG.C		Continuous	CONTIN
	QL										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				14.8	18.6			0	Continuous	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX		DEG.C		Continuous	CONTIN
	QL										
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement				8.1	9.3			0	1 Day	CALCTD
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX		DEG.C		1/Day	CALCTD
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 12/01/2016 - 12/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 12/01/2016 To 12/31/2016
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 12/01/2016 - 12/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2765	2856	MGD					0	1 Day	CALCTD
	Permit Requirement	3024	REPORT								
	Requirement	0.1MOAV	0.1DAMX							1/Day	CALCTD
	QL										
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	14500	14765	MBTU/HR					0	1 Day	CALCTD
	Permit Requirement	REPORT	30600								
	Requirement	0.1MOAV	0.1DAMX							1/Day	CALCTD
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 12/01/2016 - 12/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 12/01/2016 To 12/31/2016
Monitored Location: 048C SW Outfall 48C
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 12/01/2016 - 12/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.1745	0.3748						0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD							
	QL									1/Day	CALCTD
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement				11	16			0	2 Month	COMPOS
	Permit Requirement				30 01MOAV	100 01DAMX		MG/L		2/Month	COMPOS
	QL										
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement				<1	1			0	2 Month	COMPOS
	Permit Requirement				35 01MOAV	70 01DAMX		MG/L		2/Month	COMPOS
	QL										
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement				<2	<2			0	2 Month	GRAB
	Permit Requirement				10 01MOAV	15 01DAMX		MG/L		2/Month	GRAB
	QL										
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement				10	10			0	2 Month	COMPOS
	Permit Requirement				REPORT 01MOAV	150 01DAMX		MG/L		2/Month	COMPOS
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	17327	PA010		06003				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 12/01/2016 - 12/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 12/01/2016 To 12/31/2016
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 12/01/2016 - 12/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	472	501							1	
50050 1 Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD					0	Day	CALCTD
	Permit Requirement									/Day	CALCTD
pH	Sample Measurement				7.8		8.0			1	
00400 1 Effluent Gross Value	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU	0	Week	GRAB
	Permit Requirement									/Week	GRAB
pH	Sample Measurement				8.0		8.1			1	
00400 7 Intake From Stream	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU	0	Week	GRAB
	Permit Requirement									/Week	GRAB
LC50 Staire 96hr Acu Cyprinodon	Sample Measurement				CODE=N Not Required					2	
TAN6A 1 Effluent Gross Value	Permit Requirement				REPORT 01DAMN			EEFF	0	Year	COMPOS
	Permit Requirement									/Year	COMPOS
Chlorine Produced Oxidants	Sample Measurement				CODE=N Not Required					3	
*CPOX 1 Effluent Gross Value	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	MG/L	0	Week	GRAB
	Permit Requirement									/Week	GRAB
Chlorine Produced Oxidants	Sample Measurement					<0.1	<0.1			3	
*CPOX 1 Effluent Gross Value	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	MG/L	0	Week	GRAB
	Permit Requirement									/Week	GRAB
Temperature, °C	Sample Measurement					14.9	20.9			1	
00010 1 Effluent Gross Value	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	DEG/C	0	Day	CONTIN
	Permit Requirement									/Day	CONTIN
Lab Certification #	Sample Measurement	PA010	06003		17327						
99999 99 Lab	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	Permit Requirement									Not Applic	NOT AP



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 12/01/2016 - 12/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 12/01/2016 To 12/31/2016
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 12/01/2016 - 12/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	466	480	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX						1/Day	CALCTD	
	Set Point										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.8		7.9	SU	0	1 Week	GRAB
	Permit Requirement				0.0 01DAMN		9.0 01DAMX		1/Week	GRAB	
	Set Point										
pH 00400 7 Intake From Stream	Sample Measurement				8.0		8.1	SU	0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX		1/Week	GRAB	
	Set Point										
LC50 Statre 96hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required			PERFL	0	2 Year	COMPOS
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX		12/Year	COMPOS	
	Set Point										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX		3/Week	GRAB	
	Set Point										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1		<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX		3/Week	GRAB	
	Set Point										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				15.0		21.7	DEG.C	0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX		1/Day	CONTIN	
	Set Point										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	Set Point										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 12/01/2016 - 12/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 12/01/2016 To 12/31/2016
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 12/01/2016 - 12/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	447	481						0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Day	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.8		7.9		0	1 Week	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX	SU		1/Week	GRAB
	QL										
pH 00400 7 Intake From Stream	Sample Measurement				8.0		8.1		0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1/Week	GRAB
	QL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Required E=N Not Required				0	3 Week	GRAB
	Permit Requirement				0.3 01MOAV		0.5 01DAMX	MG/L		3/Week	GRAB
	QL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1		<0.1		0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	MG/L		3/Week	GRAB
	QL										
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement				15.5		19.2		0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	DEG/C		1/Day	CONTIN
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 12/01/2016 - 12/31/2016

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

NJPDES Permit Number:

NJ0005622

Monitoring Period:

12/01/2016 To 12/31/2016

Monitored Location:

484A SW Outfall 484A

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable:

☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 12/01/2016 - 12/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	476	501	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX						1/Day	CALCTD	
	OL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.8		8.0	SU	0	1 Week	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX		1/Week	GRAB	
	OL										
pH 00400 7 Intake From Stream	Sample Measurement				8.0		8.1	SU	0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX		1/Week	GRAB	
	OL										
LC50 Staire 96hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement			CODE=N Not Required				EFFL	0	2 Year	COMPOS
	Permit Requirement				REPORT 01DAMN				2/Year	COMPOS	
	OL				0.50						
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement				0.3 01MOAV		0.5 01DAMX		3/Week	GRAB	
	OL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1		<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV		0.2 01DAMX		3/Week	GRAB	
	OL										
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement				15.0		21.9	DEG/C	0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX		1/Day	CONTIN	
	OL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	OL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 12/01/2016 - 12/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 12/01/2016 To 12/31/2016
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 12/01/2016 - 12/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	492	493						0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Day	CALCTD
	OL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.8		7.9		0	1 Week	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX	SU		1/Week	GRAB
	OL										
pH 00400 7 Intake From Stream	Sample Measurement				8.0		8.1		0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1/Week	GRAB
	OL										
LC50 Statre 96hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement				>100				0	2 Year	COMPOS
	Permit Requirement				REPORT 01DAMN			%EFFE		2/Year	COMPOS
	OL				50						
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Req E=N Not Required				0	3 Week	GRAB
	Permit Requirement					0.3 01MOAV	0.5 01DAMX	MG/L		3/Week	GRAB
	OL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement					<0.1	<0.1		0	3 Week	GRAB
	Permit Requirement					REPORT 01MOAV	0.2 01DAMX	MGA		3/Week	GRAB
	OL										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement					14.8	19.1		0	1 Day	CONTIN
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX	DEG.C		1/Day	CONTIN
	OL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327	CT405				Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	OL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 12/01/2016 - 12/31/2016

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

NJPDES Permit Number:

NJ0005622

Monitoring Period:

12/01/2016 To 12/31/2016

Monitored Location:

486A SW Outfall 486A

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 12/01/2016 - 12/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	74.19	95.10						0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Day	CALCTD
	OL										
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	483	494						0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Day	CALCTD
	OL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.8		7.9		0	1 Week	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX	SU		1/Week	GRAB
	OL										
pH 00400 7 Intake From Stream	Sample Measurement				8.0		8.1		0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1/Week	GRAB
	OL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Req	E=N Not Required			0	3 Week	GRAB
	Permit Requirement				0.3 01MOAV	0.5 01DAMX	MG/L			3/Week	GRAB
	OL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1		<0.1		0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV		0.2 01DAMX	MG/L		3/Week	GRAB
	OL										
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement				14.8		19.0		0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	DEG.C		1/Day	CONTIN
	OL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Apply	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #		REPORT Lab #			Not Apply	NOT AP
	OL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 12/01/2016 - 12/31/2016

Permittee:

PSEG 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

NJPDES Permit Number:

NJ0005622

Monitoring Period:

12/01/2016 To 12/31/2016

Monitored Location:

487B SW Outfall 487B

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 12/01/2016 - 12/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	E=N	Not Req	E=N	Not Required				0	1 Batch	CALCTD
50050 1	Permit Requirement	REPORT	REPORT	MGD							
Effluent Gross Value	QL	01MOAV	01DAMX							1/Batch	CALCTD
pH	Sample Measurement				CODE=N	Not Required	CODE=N	Not Required	0	1 Batch	GRAB
00400 1	Permit Requirement				6.0		6.0	SU			
Effluent Gross Value	QL	01DAMN	01DAMX							1/Batch	GRAB
Solids, Total Suspended	Sample Measurement				CODE=N	Not Req	E=N	Not Required	0	1 Batch	GRAB
00530 1	Permit Requirement	REPORT	REPORT				100	MGL			
Effluent Gross Value	QL	01MOAV	01DAMX							1/Batch	GRAB
Temperature, °C	Sample Measurement				CODE=N	Not Req	E=N	Not Required	0	1 Batch	GRAB
00010 1	Permit Requirement	REPORT	REPORT				43.3	DEG C			
Effluent Gross Value	QL	01MOAV	01DAMX							1/Batch	GRAB
Petroleum Hydrocarbons	Sample Measurement				CODE=N	Not Req	E=N	Not Required	0	1 Batch	GRAB
00551 1	Permit Requirement	REPORT	REPORT				151	MG/L			
Effluent Gross Value	QL	01MOAV	01DAMX							1/Batch	GRAB
Carbon, Tot Organic (TOC)	Sample Measurement				CODE=N	Not Req	E=N	Not Required	0	1 Batch	GRAB
00680 1	Permit Requirement	REPORT	REPORT				50	MG/L			
Effluent Gross Value	QL	01MOAV	01DAMX							1/Batch	GRAB
Lab Certification #	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
99999 99	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
Lab	QL	Lab #	Lab #		Lab #	Lab #	Lab #			Not Applic	NOT AP



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 12/01/2016 - 12/31/2016

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 12/01/2016 To 12/31/2016
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 10/1/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 12/01/2016 - 12/31/2016

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0588	0.0588						0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Month	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.3		7.3		0	1 Month	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX	LSU		1/Month	GRAB
	QL										
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement				4		4		0	1 Month	GRAB
	Permit Requirement				100 01DAMX		30 01MOAV	MG/L		1/Month	GRAB
	QL										
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement						<2		0	1 Month	GRAB
	Permit Requirement						10 01MOAV	MG/L		1/Month	GRAB
	QL						15 01DAMX				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement						2		0	1 Month	GRAB
	Permit Requirement						REPORT 01MOAV	MG/L		1/Month	GRAB
	QL						50 01DAMX				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										

Matthew R. Jokajtys
Environmental Counsel

Office of Environmental Counsel
80 Park Plaza, T17, Newark, NJ 07102
tel: 973.430.6669 fax: 973.802-1267
email: Matthew.Jokajtys@pseg.com



April 21, 2017

VIA UPS

Bureau of Release Prevention
New Jersey Department of Environmental Protection
401 E. State St
Mailcode 22-03D
Trenton, NJ 08625

**Re: Financial Responsibility Documents
PSEG Fossil LLC
PSEG Nuclear LLC**

Ladies and Gentlemen:

Enclosed are an original and nine copies of updated financial responsibility documents pursuant to N.J.A.C. 7:1E-4.4. Specifically, enclosed are the Chief Financial Officer's Letter and a Guarantee executed by the Chief Financial Officer of PSEG Power LLC, along with ten copies of both. Each document specifies the ten major facilities that are covered.

If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Matthew R. Jokajtys", written over a horizontal line.

Matthew R. Jokajtys

Enclosures

GUARANTEE

Guarantee made this April 21, 2017 by PSEG Power LLC, a business entity organized under the laws of the State of Delaware, herein referred to as Guarantor, to the New Jersey Department of Environmental Protection ("Department") and to any and all third parties, and obligees, on behalf of its wholly owned operating subsidiaries, PSEG Fossil LLC, which operates the Bergen, Burlington, Essex, Hudson, Kearny, Linden, Mercer and Sewaren Generating Stations and PSEG Nuclear LLC, which operates Hope Creek and Salem Generating Stations, of 80 Park Plaza, Newark, New Jersey 07101.

- (1) Guarantor meets or exceeds the financial test criteria of N.J.A.C. 7:1E-4.4(g) and agrees to comply with the requirements for guarantors as specified in N.J.A.C. 7:1E-4.4(h).
- (2) PSEG Fossil LLC, a wholly owned subsidiary of Guarantor, operates the following major facilities covered by this guarantee:
 - Bergen Generating Station
Victoria Terrace
Ridgefield, New Jersey 07657;
 - Hudson Generating Station
Duffield & Van Keuren Avenues
Jersey City, New Jersey 07306;
 - Kearny Generating Station
Foot of Hackensack Avenue
Kearny, New Jersey 07032;
 - Essex Generating Station
155 Raymond Boulevard
Newark, New Jersey 07105;
 - Linden Generating Station
Grasselli Area of Wood Avenue South
Linden, New Jersey 07036;
 - Sewaren Generating Station
751 Cliff Road
Sewaren, New Jersey 07077-1439;
 - Mercer Generating Station
Lamberton Road
Trenton, New Jersey 08611; and

Burlington Generating Station
W. Broad Street & Devlin Avenue
Burlington, New Jersey 08016.

PSEG Nuclear LLC, a wholly owned subsidiary of Guarantor, operates the following major facilities covered by this guarantee:

Salem Generating Station
Foot of Buttonwood Road
P.O. Box 236
Hancocks Bridge, New Jersey 08038; and

Hope Creek Generating Station
Foot of Buttonwood Road
P.O. Box 236
Hancocks Bridge, New Jersey 08038

This guarantee satisfies the requirements of N.J.A.C. 7:1E-4.4 for assuring funding in the amount of \$1,000,000 per occurrence per facility and \$2,000,000 annual aggregate per facility for cleanup and removal activities arising from operating the above identified major facilities.

- (3) On behalf of our wholly owned operating subsidiaries, PSEG Fossil LLC and PSEG Nuclear LLC, Guarantor guarantees to the Department and to any and all third parties that:

In the event that PSEG Fossil LLC or PSEG Nuclear LLC fails to provide alternate coverage within 60 days after receipt of a notice of cancellation of this guarantee and the Department has determined or suspects that a discharge has occurred at a facility covered by this guarantee, the Guarantor, upon instructions from the Department, shall fund a standby trust fund in an amount sufficient to cover cleanup and removal costs, but not to exceed the coverage limits specified in N.J.A.C. 7:1E-4.4(b).

In the event that the Department determines that PSEG Fossil LLC or PSEG Nuclear LLC has failed to perform cleanup and removal activities arising out of the operation of the above-identified facilities, the Guarantor, upon written instructions from the Department, shall fund a standby trust in an amount sufficient to cover cleanup and removal costs, but not to exceed the coverage limits specified above.

- (4) Guarantor agrees that if, at the end of any fiscal year before cancellation of this guarantee, the Guarantor fails to meet the financial test criteria of N.J.A.C. 7:1E-4.4(g), Guarantor shall send within 120 days of such failure, by certified mail, notice to PSEG Fossil LLC and PSEG Nuclear LLC and the Department. The guarantee will terminate 120 days from the date of receipt of the notice by PSEG

Fossil LLC and PSEG Nuclear LLC or 120 days from the date of receipt of the notice by the Department, whichever is later, as evidenced by the return receipt.

- (5) Guarantor agrees to notify PSEG Fossil LLC and PSEG Nuclear LLC by certified mail of a voluntary or involuntary proceeding under Title 11 (Bankruptcy), U.S. Code, naming Guarantor as debtor, within 10 days after commencement of the proceeding.
- (6) Guarantor agrees to remain bound under this guarantee notwithstanding any modification or alteration of any obligation of PSEG Fossil LLC or PSEG Nuclear LLC, pursuant to N.J.A.C. 7:1E.
- (7) Guarantor agrees to remain bound under this guarantee for so long as PSEG Fossil LLC or PSEG Nuclear LLC must comply with the applicable financial responsibility requirements of N.J.A.C. 7:1E-4.4 for the above-identified facilities, except that Guarantor may cancel this guarantee by sending notice by certified mail to PSEG Fossil LLC and PSEG Nuclear LLC, and the Department, such cancellation to become effective no earlier than 120 days after receipt of such notice by PSEG Fossil LLC and PSEG Nuclear LLC, or 120 days from the date of receipt of the notice by the Department, whichever is later, as evidenced by the return receipt.
- (8) The Guarantor's obligation does not apply to any of the following:
 - (a) Any obligation of PSEG Fossil LLC or PSEG Nuclear LLC under a worker's compensation, disability benefits, or unemployment compensation law or other similar law;
 - (b) Bodily injury to an employee of PSEG Fossil LLC or PSEG Nuclear LLC arising from, and in the course of, employment by PSEG Fossil LLC or PSEG Nuclear LLC.
 - (c) Bodily injury or property damage not related to a discharge arising from the ownership, maintenance, use, or entrustment to others of any aircraft, motor vehicle, or watercraft;
 - (d) Property damage to any property owned, rented, loaned to, in the care, custody, or control of, or occupied by PSEG Fossil LLC or PSEG Nuclear LLC that is not the direct result of a discharge from the facility;
 - (e) Bodily damage or property damage for which PSEG Fossil LLC or PSEG Nuclear LLC is obligated to pay damages by reason of the assumption of liability in a contract or agreement other than a contract or agreement entered into to meet the requirements of N.J.A.C. 7:1E-4.4.
- (9) Guarantor expressly waives notice of acceptance of this guarantee by the Department or by PSEG Fossil LLC or PSEG Nuclear LLC.

I hereby certify that the wording of this guarantee is identical to the wording specified in Appendix B of N.J.A.C. 7:1E as such rules were constituted on the effective date shown immediately below.

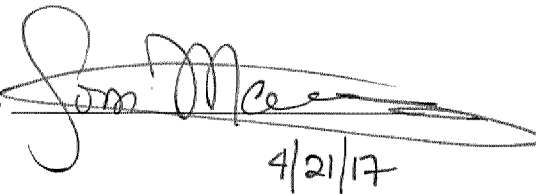
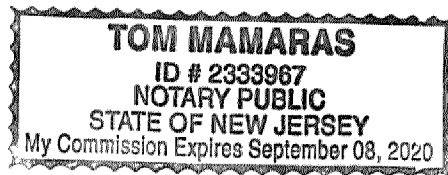
Effective date: April 21, 2017

PSEG Power LLC



Daniel J. Cregg
Executive Vice President and Chief Financial Officer

Signature of witness or notary:


4/21/17

[Handwritten signature]

NOTARY PUBLIC
STATE OF NEW JERSEY
JAMES M. HARRIS
104 S. 3RD ST.
TRENTON, NJ 08602





State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF RELEASE PREVENTION

P.O. Box 420, Mail Code 22-03D

401 E. State Street

Trenton, New Jersey 08625-0420

TELEPHONE (609) 633-0610 FAX (609) 633-7031

CHRIS CHRISTIE

Governor

KIM GUADAGNO

Lt. Governor

BOB MARTIN

Commissioner

April 26, 2017

Matthew R. Jokajty
Environmental Counsel
Office of Environmental Counsel
PSEG Services Corporation
80 Park Plaza, T17
Newark, NJ 07102

Re: Discharge Prevention, Containment and Countermeasure (DPCC) and Discharge Cleanup and Removal (DCR) Plans - Financial Responsibility for the following PSEG Generating Stations:

Bergen Generating Station, Ridgefield Boro, Bergen County, DIFF# 024900142000
Burlington Generating Station, Burlington Twp, Burlington County, DIFF# 030600142000
Hudson Generating Station, Jersey City, Hudson County, DIFF# 090601488000
Essex Generating Station, Newark City, Essex County, DIFF# 071401223000
Kearny Generating Station, Kearny Twp, Hudson County, DIFF# 090700466000
Linden Generating Station, Linden City, Union County, DIFF# 200900820000
Mercer Generating Station, Hamilton Twp, Mercer County, DIFF# 110300168000
Sewaren Generating Station, Woodbridge Twp, Middlesex County, DIFF# 122501297000
Salem & Hope Creek Generating Station, Lower Alloways Creek, Salem County, DIFF# 170400041000

Dear Mr. Jokajty:

Thank you for the financial responsibility document submittal, received April 24, 2017, for the above-identified facilities.

These updated financial documents have been included in the department's copies of the DPCC/DCR plans for the above referenced facilities. Since these documents are part of an approved DPCC/DCR plans, the facilities must also keep a copy on site at all times as required by N.J.A.C. 7:1E-4.6(g).

If you have any questions regarding this letter, please contact me at (609) 292-1187.

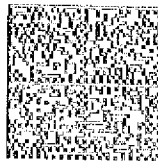
Respectfully,

Roy Soong
Environmental Engineer 3
Bureau of Release Prevention

c: Beth S. Reddy, Chief, DPHS Section
Audrey Dorofy, Chemical Safety Engineer
Philip Polios, Chemical Safety Engineer
Anthony Quarato, Environmental Engineer

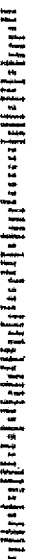
State of New Jersey
Department of Environmental Protection
Bureau of Release Prevention
PO Box 420, Mail Code 22-03D
Trenton, NJ 08625-0420

TRENTON
NJ 08625
28 APR '17
PM 3:1



UNITED STATES POSTAGE
02 1P
\$0
0006848371 AF
MAILED FROM ZIP C

07102-419517





State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF RELEASE PREVENTION
P.O. Box 420, Mail Code 22-03D
401 East State Street
Trenton, New Jersey 08625-0420
TELEPHONE (609) 633-0610 FAX (609) 633-7031

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

CERTIFIED MAIL
7013 0600 0001 4658 5802

October 5, 2017

David Mannai
Sr. Director - Regulatory Operations
PSEG Nuclear, LLC
P.O. Box 236
Hancocks Bridge, NJ 08038

RE: PSEG - SALEM & HOPE CREEK GENERATING STATIONS
Administrative Order and Notice of Civil Administrative Penalty Assessment
(AONOCAPA)
EA ID #: PEA170001 - 170400041000

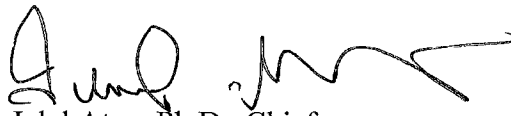
Dear Mr. Mannai:

Enclosed for service upon you is an AONOCAPA issued by the Department. Contained within the enclosed document is a notice and instructions for requesting an Administrative Hearing. Failure to request a hearing within 20 days, as per the instructions, will result in loss of your right to a hearing.

If multiple respondents are named, each respondent interested in contesting the AONOCAPA must individually file an Administrative Hearing Request Checklist and Tracking Form. The Administrative Hearing Request Checklist and Tracking Form is enclosed with this letter.

If you have any questions concerning the enclosed AONOCAPA you may contact Audrey Dorofy, of my staff, at (609) 633-0610 or by letter at the above address.

Sincerely,



Iclal Atay, Ph.D., Chief
Bureau of Release Prevention

Enclosure
c: Audrey Dorofy



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHRIS CHRISTIE
Governor

BUREAU OF RELEASE PREVENTION
P.O. Box 420, Mail Code 22-03D
401 East State Street

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

Trenton, New Jersey 08625-0420
TELEPHONE (609) 633-0610 FAX (609) 633-7031

CERTIFIED MAIL

7013 0600 0001 4658 5802

IN THE MATTER OF
PSE&G NUCLEAR LLC
PO Box 236
Hancocks Bridge, NJ 08038-0236

:
:
:
:
:
:

ADMINISTRATIVE ORDER
AND
NOTICE OF CIVIL ADMINISTRATIVE
PENALTY ASSESSMENT

EA ID # PEA170001 - 170400041000

This Administrative Order and Notice of Civil Administrative Penalty Assessment (hereinafter AONOCAPA) are issued pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (hereinafter NJDEP or the Department) by N.J.S.A. 13:1D-1 *et seq.*, and the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11a *et seq.*, the Transportation of Hazardous Liquids Act, N.J.S.A. 58:10-46 *et seq.*, and the Industrial Establishments Act, N.J.S.A. 13:1K-15 *et seq.* (the "Act"), and duly delegated to the Chief, Bureau of Release Prevention, pursuant to N.J.S.A.13:1B-4.

FINDINGS

1. PSE&G NUCLEAR LLC owns and/or operates a facility located at Alloway Creek Neck Road, Block 26 and Lots 4, 4.01, 5, 5.01, Lower Alloways Creek Twp, Salem County, New Jersey (ID# 170400041000).
2. As the result of a compliance evaluation(s) conducted on July 11, 2017, the Department has determined that PSE&G NUCLEAR LLC failed to comply with applicable requirements as follows:

Subject: DAST

Requirement: Pursuant to N.J.A.C. 7:1E-2.16(h), for aboveground storage tanks with a storage capacity greater than 2,000 gallons that do not fall into one of the categories

outlined above, or as an alternative to any integrity testing protocol established above, the owner or operator may perform integrity testing every five (5) years in accordance with the following, as appropriate: 1. A shell thickness test and a bottom thickness test, performed to a standard such as ASME Section V, and capable of detecting corrosion, erosion or other wall or bottom thinning to less than a predetermined minimum thickness to ensure sufficient structural strength; 2. Visual inspection of the exterior of the tank, checking for cracks and leaks; and 3. Visual inspection of the foundation and ancillary equipment, such as inlet and outlet pipes and valves, checking for settlement, cracks, leaks, corrosion and other indications of structural problems.

Description of Noncompliance: You failed to comply with the testing requirements for all storage tanks with a capacity greater than 2,000 gallons storing hazardous substances. Specifically, tanks S160 - 1ZZE30 and H24 - 00T546 were due for internal inspections by 6/2015 and 6/2017, respectively, per the approved plan; however, these internal inspections have not been performed.

Requirement: Pursuant to N.J.A.C. 7:1E-2.2(d), every aboveground storage tank, except as provided in (e) below, shall have a high liquid level audible or visual alarm set to activate at a predetermined level and designed to alert personnel directly responsible for the filling operation of high liquid level conditions

Description of Noncompliance: You failed to equip an aboveground storage tank with a high liquid level audible or visual alarm set to activate at a predetermined level and designed to alert personnel directly responsible for the filling operation of high liquid level conditions. Specifically, according to the upgrade schedule in the approved plan, all hazardous substance storage tanks over 2,000 gallons in capacity were scheduled to be upgraded with high liquid level audible or visual alarms at the Salem and Hope Creek Generating Stations by the end of 2015, which is 36 months from the last plan approval date. However, the acid and caustic tanks in the Unit 1 and Unit 2 Turbine Buildings do not have functioning high liquid level alarms.

Subject: DGEN

Requirement: Pursuant to N.J.A.C. 7:1E-2.10(a)5, all equipment and portions of the major facility in service using hazardous substances, as well as all cleanup and removal equipment and supplies, shall be visually inspected in accordance with standard operating procedures pursuant to N.J.A.C. 7:1E-2.14. Visual inspections shall be performed at a minimum according to the following schedule: Once monthly for integrity and leaks, all other storage areas and secondary containment or diversion systems, and all aboveground pipes;

Description of Noncompliance: You failed to inspect storage areas and secondary containment or diversion systems, and all aboveground pipes monthly. All indoor

storage tanks and associated secondary containment, including for S8 - 2CPE39, were not inspected as required.

Requirement: Pursuant to N.J.A.C. 7:1E-2.10(a)3, all equipment and portions of the major facility in service using hazardous substances, as well as all cleanup and removal equipment and supplies, shall be visually inspected in accordance with standard operating procedures pursuant to N.J.A.C. 7:1E-2.14. Visual inspections shall be performed at a minimum according to the following schedule: Once daily or prior to each use, whichever is less frequent, for integrity, deterioration and leaks, loading or unloading areas, including flexible hoses;

Description of Noncompliance: You failed to inspect, prior to each use or once daily, loading or unloading areas. Specifically, while the tank at location S165 was filled with a hazardous substance, evidence that the required inspection was conducted was not available.

Requirement: Pursuant to N.J.A.C. 7:1E-2.11(b), tanks, pipes, valves, glands, drums or other equipment leaking hazardous substances shall be promptly repaired, replaced or taken out of use following detection of a leak, unless provision is made to capture and contain leaking hazardous substances in a drip pan or other appropriate containment device. If such provision is made, the leaking item shall be repaired, replaced or taken out of use within 15 days after the leak is detected unless the shutdown of a process unit is necessary. A leak shall be repaired at the earliest period in which either the process is not in operation or the particular unit is out of service, whichever occurs first.

Description of Noncompliance: You failed to promptly repair, replace or take out of use leaking equipment. Accumulated sodium hydroxide was observed within the secondary containment areas in the immediate vicinity of tanks S8 - CPE39 and S78-1LWE15.

3. Based on the facts set forth in these FINDINGS, the Department has determined that PSE&G NUCLEAR LLC has violated the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11a *et seq.*, and/or the Transportation of Hazardous Liquids Act, N.J.S.A. 58:10-46 *et seq.*, and/or the Industrial Establishments Act, N.J.S.A. 13:1K-15 *et seq.*, and the regulations promulgated pursuant thereto, specifically N.J.A.C. 7:1E-2.2(d), 2.10(a) 3 and 5, 2.11(b) and 2.16(h).

ORDER

NOW, THEREFORE, IT IS HEREBY ORDERED THAT:

4. PSE&G NUCLEAR LLC shall comply with the following:
 - a. Comply with requirement within 90 days of receipt of this document by performing

the required testing on all storage tanks with a capacity greater than 2,000 gallons storing hazardous substances. Specifically, internal inspections must be performed for tanks S160 - 1ZZE30 and H24 - 0OT546. [N.J.A.C. 7:1E-2.16(h)]

- b. Submit internal visual inspection results within 120 days of receipt of this document. [N.J.A.C. 7:1E-2.16(h)]
 - c. Comply with requirement within 90 days of receipt of this document by installing a high liquid level alarm on each aboveground storage tank with a storage capacity of 2000 gallons or more and containing hazardous substances. [N.J.A.C. 7:1E-2.2(d)]
 - d. Comply with requirement within 30 days of receipt of this document by revising visual inspection forms or checklists to include all indoor storage tanks and associated secondary containment systems. [N.J.A.C. 7:1E-2.10(a)5]
 - e. Submit record of visual inspections within 60 days of receipt of this document demonstrating that storage areas and secondary containment or diversion systems, and all aboveground pipes are inspected monthly. [N.J.A.C. 7:1E-2.10(a)5]
 - f. Comply with requirement within 30 days of receipt of this document by repairing, replacing or taking out of use leaking equipment. [N.J.A.C. 7:1E-2.11(b)]
5. This Order shall be effective upon receipt by PSE&G NUCLEAR LLC or someone on the violator's behalf authorized to accept service.

NOTICE OF CIVIL ADMINISTRATIVE PENALTY ASSESSMENT
AND
NOTICE OF RIGHT TO A HEARING

6. Pursuant to N.J.S.A. 58:10-23.11u and N.J.A.C. 7:1E-6.1 *et seq.*, and based upon the above FINDINGS, the Department has determined that a civil administrative penalty is hereby assessed against PSE&G NUCLEAR LLC in the amount of \$18,000.00. The Department's rationale for the civil administrative penalty is set forth in the attachment, and incorporated herein.
7. Pursuant to N.J.S.A. 52:14B-1 *et seq.* and N.J.S.A. 58:10-23.11uc(1)(d), PSE&G NUCLEAR LLC is entitled to request a hearing. PSE&G NUCLEAR LLC shall, in its request for a hearing, complete and submit the enclosed ADMINISTRATIVE HEARING REQUEST AND CHECKLIST TRACKING FORM along with all required information. Submittal or granting of a hearing request does not stay the terms or effect of this ORDER.

8. If no request for a hearing is received within twenty (20) calendar days from receipt of this AONOCAPA, it shall become a Final Order upon the twenty-first (21st) calendar day following its receipt, and the penalty shall be due and payable.
9. If a timely request for a hearing is received, payment of the penalty is due when PSE&G NUCLEAR LLC receives a notice of the denial of the request, or, if the hearing request is granted, when PSE&G NUCLEAR LLC withdraws the request or abandons the hearing, or, if the hearing is conducted, when PSE&G NUCLEAR LLC receives a final decision from the Commissioner in this matter.
10. Payment shall be made by check payable to Treasurer, State of New Jersey and shall be submitted along with the enclosed Enforcement Invoice to:

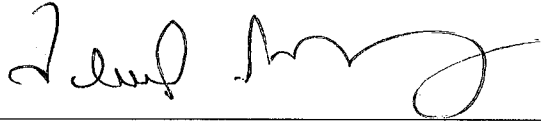
Department of Treasury
Division of Revenue
P.O. Box 417
Trenton, NJ 08646-0417

GENERAL PROVISIONS

11. This AONOCAPA is binding on PSE&G NUCLEAR LLC their principals, directors, officers, agents, successors, assigns, employees, tenants, any trustee in bankruptcy or other trustee, and any receiver appointed pursuant to a proceeding in law or equity.
12. No obligations imposed by this AONOCAPA are intended to constitute a debt which should be limited or discharged in a bankruptcy proceeding. All obligations are imposed pursuant to the police powers of the State of New Jersey, intended to protect the public health, safety, welfare and the environment.
13. This AONOCAPA is issued only for the violation(s) identified in the FINDINGS hereinabove and that violations of any statutes, rules or permits other than those herein cited may be cause for additional enforcement actions, either administrative or judicial, being instituted. By issuing this AONOCAPA, NJDEP does not waive its rights to initiate additional enforcement actions.
14. Neither the issuance of this AONOCAPA nor anything contained herein shall relieve PSE&G NUCLEAR LLC of the obligation to comply with all applicable laws, including but not limited to the statutes and regulations cited herein.
15. Pursuant to N.J.S.A. 58:10-23.11ud and N.J.S.A. 58:10-23.11u1, any person who violates the provisions of the Act, or any code, rule regulation or order promulgated or issued pursuant thereto, or who fails to pay a civil administrative penalty in full, shall be liable to a penalty of up to \$10,000 for the first offense, \$25,000 for the second offense, and \$50,000 for the third and each subsequent offense. Each day during which the violation continues constitutes an

additional, separate and distinct offense. In addition, any person who discharges 100,000 gallons or more of a hazardous substance shall be liable to an additional penalty of up to \$10,000,000.

DATE:

A handwritten signature in black ink, appearing to read 'Iclal Atay', written over a horizontal line.

Iclal Atay, Ph.D., Chief
Bureau of Release Prevention

**Administrative Hearing Request Checklist
and Tracking Form**

I. Document Being Appealed: **EA ID #** PEA170001 - 170400041000

Date Document Issued

II. Person Requesting Hearing (Each Respondent named in the Enforcement Document, who wants to Contest the Enforcement Document must individually file a hearing request):

Name/Company

Name of Attorney (if applicable)

Address

Address

Telephone #

Telephone #

III. Please Include the Following Information as Part of Your Request:

- A. The date the alleged violator received the Enforcement Document.
- B. **A copy of the Enforcement Document** and a list of all issues being appealed.
- C. An admission or denial of each of the findings of fact, or a statement of insufficient knowledge;
- D. The defenses to each of the findings of fact in the enforcement document;
- E. Information supporting the request;
- F. An estimate of the time required for the hearing;
- G. A request, if necessary, for a barrier-free hearing location for physically disabled persons;
- H. A clear indication of any willingness to negotiate a settlement with the Department prior to the Department's processing of your hearing request to the Office of Administrative Law; and
- I. This form, completed, signed and dated with all of the information listed above, including attachment, to:

1. New Jersey Department of Environmental Protection
Office of Legal Affairs
Attention: Adjudicatory Hearing Requests
401 E. State Street, 7th floor
P.O. Box 402, Mail Code 401-04L
Trenton, New Jersey 08625-0402

3. Iclal Atay, Ph.D., Chief
Bureau of Release Prevention
401 E. State Street, 7th floor
P.O. Box 420, Mail Code 22-03D
Trenton, New Jersey 08625-0420

3. All co-permittees (w/attachments)

IV. Signature: _____ Date: _____



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
ENFORCEMENT-SPILL FUND(DPCC,HW,WATER)

INVOICE NO.
171649170

Program Interest
PSEG - SALEM & HOPE CREEK GENERATING STA ALLOWAY CREEK NECK ROAD Lower Alloways Creek, NJ. 08038 170400041000

Type of Notice
ORIGINAL(NON-INITIAL)

Amount Due
\$ 18,000.00

Billing Date
10/04/17

Due Date
11/03/17

NJEMS Bill ID
000000175894400

Summary	
Total Amount Assessed	18,000.00
Amount Received Before Creating Installment Plan (if installment plans is allowed)	0.00
Amount Transferred To Installment Plan	0.00
Installment Amount	0.00
Total Amount Credited	0.00
Total Amount Debited (Other Than Amounts Assessed)	0.00
Total Amount Due	18,000.00

REMINDER:
YOU CAN PAY THIS BILL ONLINE WITH A CREDIT CARD OR E-CHECK.
GO TO [HTTP://WWW.NJ.GOV/DEP/ONLINE](http://www.nj.gov/dep/online) AND CLICK PAY A PAPER INVOICE.
THE SYSTEM WILL ASK FOR THE INVOICE NUMBER THAT IS FOUND AT THE TOP-RIGHT CORNER OF THIS BILL.
THERE IS NO FEE FOR PAYING VIA E-CHECK; FOR CREDIT CARD USE,1.9% OF THE TOTAL + \$1 IS CHARGED.
TO PAY BILL BY MAIL SEND A CHECK PAYABLE TO TREASURER-STATE OF NEW JERSEY.
WRITE INVOICE NUMBER AND PROGRAM INTEREST NUMBER ON CHECK.
RETURN CHECK WITH BOTTOM PORTION OF THIS INVOICE TO THE NJ DEPARTMENT OF TREASURY.
IF YOU HAVE QUESTIONS SEE BACK OF INVOICE FOR CONTACT INFORMATION.

See Back Of Page for Billing Inquiries

INVOICE NO.
171649170

D9901F (R 3/14/02)

Let's protect our earth



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
ENFORCEMENT-SPILL FUND(DPCC,HW,WATER)

INVOICE NO.
171649170

NJEMS Bill ID
000000175894400

Program Interest ID
170400041000

Type of Notice
ORIGINAL(NON-INITIAL)

Billing Date
10/04/17

Due Date
11/03/17

Amount Due
\$ 18,000.00

For name and/or address
change, check box and write
corrections on the back of this
invoice.

☐

DO NOT FOLD, BEND OR MARK

Enter the Amount
of your payment →

\$

RETURN THIS PORTION with your check made payable to:

S1



PSEG & NUCLEAR LLC

PO BOX 236
Hancocks Bridge NJ 08038-0236

TREASURER - STATE OF NEW JERSEY
and mail to:

NJ DEPARTMENT OF TREASURY
DIVISION OF REVENUE
PO BOX 417
TRENTON, NJ 08646-0417

EP1010100107000400000000401000000111110018000000000161716491702S12

SII-SSA-0014-002016



ENFORCEMENT-Spill Fund(DPCC,HW,WATER)

Program Interest

PSEG - SALEM & HOPE CREEK GENERATING STA
 ALLOWAY CREEK NECK ROAD
 Lower Alloways Creek, NJ. 08038
 170400041000

Type of Notice

ORIGINAL(NON-INITIAL)

Amount Due

\$ 18,000.00

Billing Date

10/04/17

Due Date

11/03/17

NJEMS Bill ID

000000175894400

AONOCAPA
 Prescribed Enforcement Action
 This bill was created by the Assessments Trigger.

ASSESSMENTS

Start-End Date: 10/04/2017-10/04/2017 Activity: PEA170001

Assessment Type: PENALTY

Regulatory Basis: [N.J.S.A. 58:10-23.11u(c)1]

Status: Open (Pending Payment)

Amount: \$ 18000.00

Total Amount Assessed: \$ 18,000.00



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814
Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 01/01/2017 - 01/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2017 To 01/31/2017
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

SEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 01/01/2017 - 01/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature,	Sample Measurement				4.7	5.7			0	Continuous	CONTIN
0 G Sew/Influent	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX		DEG.C		Continuous	CONTIN
	QL										
Temperature,	Sample Measurement				13.2	14.4			0	Continuous	CONTIN
0 1 ent Gross Value	Permit Requirement				REPORT 01MOAV	43.3 01DAMX		DEG.C		Continuous	CONTIN
	QL										
Temperature,	Sample Measurement				8.4	9.3			0	1 Day	CALCTD
0 2 ent Net Value	Permit Requirement				REPORT 01MOAV	15.3 01DAMX		DEG.C		1/Day	CALCTD
	QL										
Certification #	Sample Measurement	PA010	06003		17327						
9 99	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 01/01/2017 - 01/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2017 To 01/31/2017
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

SEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 01/01/2017 - 01/31/2017

Large Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature,	Sample Measurement					4.7	5.7		0	Continuous	CONTIN
-G	Permit Requirement				REPORT	0.01MOAV	REPORT	0.01DAMX		Continuous	CONTIN
Flow/Influent	QL										
Temperature,	Sample Measurement					12.8	15.0		0	Continuous	CONTIN
1	Permit Requirement				REPORT	0.01MOAV	REPORT	0.01DAMX		Continuous	CONTIN
11 Gross Value	QL										
Temperature,	Sample Measurement					8.0	9.5		0	1 Day	CALCTD
2	Permit Requirement				REPORT	0.01MOAV	REPORT	0.01DAMX		1/Day	CALCTD
11 Net Value	QL										
Certification #	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
99	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	QL	Lab #	Lab #		Lab #	Lab #	Lab #				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 01/01/2017 - 01/31/2017

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

NJPDES Permit Number: NJ0005622

Monitoring Period: 01/01/2017 To 01/31/2017

Monitored Location: FACC SW Outfall FACC

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

SEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 01/01/2017 - 01/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
In Conduit or Treatment Plant 0 G Sew/Influent	Sample Measurement	2755	2856	MGD					0	1 Day	CALCTD
	Permit Requirement	3024	REPORT								
	Requirement	01MOAV	01DAMX								
	QL										
Total Discharge n BTUs per Hr 5 2 Net Value	Sample Measurement	14435	14890	MBTU/HR					0	1 Day	CALCTD
	Permit Requirement	REPORT	30600								
	Requirement	01MOAV	01DAMX								
	QL										
Certification # 9 99	Sample Measurement	PA010	06003		17327						
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #				
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 01/01/2017 - 01/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2017 To 01/31/2017
Monitored Location: 048C SW Outfall 48C
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

SEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 01/01/2017 - 01/31/2017

Large Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
In Conduit or Treatment Plant 1 Gross Value	Sample Measurement	0.2955	0.5436								
	Permit Requirement	REPORT	REPORT	MGD					0	1 Day	CALCTD
	QL	01MOAV	01DAMX							1 Day	CALCTD
Total nded 1 Gross Value	Sample Measurement				8	8			0	2 Month	COMPOS
	Permit Requirement				30	100	MG/L			2 Month	COMPOS
	QL	01MOAV	01DAMX								
Ammonia as N) 1 Gross Value	Sample Measurement				6	7			0	2 Month	COMPOS
	Permit Requirement				35	70	MG/L			2 Month	COMPOS
	QL	01MOAV	01DAMX								
Total arbons 1 Gross Value	Sample Measurement				<2	<2			0	2 Month	GRAB
	Permit Requirement				10	15	MG/L			2 Month	GRAB
	QL	01MOAV	01DAMX								
Total Organic 1 Gross Value	Sample Measurement				14	23			0	2 Month	COMPOS
	Permit Requirement				REPORT	50	MG/L			2 Month	COMPOS
	QL	01MOAV	01DAMX								
Certification # 99	Sample Measurement	06003	PA010		17327						
	Permit Requirement	REPORT	REPORT	REPORT	REPORT	REPORT					
	QL	Lab #	Lab #	Lab #	Lab #	Lab #				Not Applicable	NOT AP



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814
Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 01/01/2017 - 01/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2017 To 01/31/2017
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

SEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 01/01/2017 - 01/31/2017

Large Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
In Conduit or Treatment Plant	Sample Measurement	486	493	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT	REPORT								
	OL	01MOAV	01DAMX								
1	Sample Measurement				7.8		8.0	SU	0	1 Week	GRAB
	Permit Requirement				6.0		9.0				
	OL				01DAMN		01DAMX				
7	Sample Measurement				7.5		8.1	SU	0	1 Week	GRAB
	Permit Requirement				REPORT		REPORT				
	OL				01DAMN		01DAMX				
Staire 96hr Acu odon	Sample Measurement			CODE=N	Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement				REPORT						
	OL				01DAMN						
e Produced	Sample Measurement				CODE=N Not Req			MG/L	0	3 Week	GRAB
	Permit Requirement				0.3		0.5				
	OL				01MOAV		01DAMX				
e Produced	Sample Measurement				<0.1		<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement				REPORT		0.2				
	OL				01MOAV		01DAMX				
ature,	Sample Measurement				12.8		17.8	DEG.C	0	1 Day	CONTIN
	Permit Requirement				REPORT		REPORT				
	OL				01MOAV		01DAMX				
irification #	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT		REPORT				
	OL	Lab #	Lab #		Lab #		Lab #				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 01/01/2017 - 01/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2017 To 01/31/2017
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

SEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 01/01/2017 - 01/31/2017

Large Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
In Conduit or Treatment Plant	Sample Measurement	432	479								
1	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD					0	1 Day	CALCTD
1	QL									1/Day	CALCTD
1	Sample Measurement				7.8		8.0		0	1 Week	GRAB
1	Permit Requirement				8.0		9.0	SU		1/Week	GRAB
1	QL				01DAMN		01DAMX				
7	Sample Measurement				7.5		8.1		0	1 Week	GRAB
From Stream	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1/Week	GRAB
	QL										
State 96hr Accumulation	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
1	Permit Requirement				REPORT 01DAMN			%EFFL		2/Year	COMPOS
1	QL										
1	Sample Measurement								0	3 Week	GRAB
1	Permit Requirement										
1	QL										
1	Sample Measurement								0	3 Week	GRAB
1	Permit Requirement										
1	QL										
1	Sample Measurement								0	3 Week	GRAB
1	Permit Requirement										
1	QL										
1	Sample Measurement								0	1 Day	CONTIN
1	Permit Requirement										
1	QL									1/Day	CONTIN
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										
1	Permit Requirement										
1	QL										
1	Sample Measurement										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 01/01/2017 - 01/31/2017

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2017 To 01/31/2017
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check If Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

SEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 01/01/2017 - 01/31/2017

Charge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
In Conduit or Treatment Plant 01 Gross Value	Sample Measurement	444	476						0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGDP						1/Day	CALCTD
	QL										
01 Gross Value	Sample Measurement				7.8		7.9		0	1 Week	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX	SU		1/Week	GRAB
	QL										
07 From Stream	Sample Measurement				7.5		8.1		0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1/Week	GRAB
	QL										
ine Produced nts X 1 nt Gross Value	Sample Measurement				CODE=N Not Required E=N Not Required				0	3 Week	GRAB
	Permit Requirement				0.3 01MOAV		0.5 01DAMX	MG/L		3/Week	GRAB
	QL										
ine Produced nts X 1 nt Gross Value	Sample Measurement				<0.1		0.1		0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV		0.2 01DAMX	MG/L		3/Week	GRAB
	QL										
perature, 1 nt Gross Value	Sample Measurement				13.7		18.5		0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	DEG.C		1/Day	CONTIN
	QL										
ertification # 99	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #		REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 01/01/2017 - 01/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2017 To 01/31/2017
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

SEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 01/01/2017 - 01/31/2017

Large Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
In Conduit or Treatment Plant	Sample Measurement	485	500		*****	*****	*****		0	1 Day	CALCTD
11 nt Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD	*****	*****	*****		0	1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
11 nt Gross Value	Sample Measurement	*****	*****		7.6	*****	7.9		0	1 Week	GRAB
	Permit Requirement	*****	*****		8.0 01DAMN	*****	9.0 01DAMX	SU		1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
7 From Stream	Sample Measurement	*****	*****		7.5	*****	8.1		0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX	SU		1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
State 90hr Acu odon	Sample Measurement	*****	*****		CODE=N Not Required	*****	*****		0	2 Year	COMPOS
11 nt Gross Value	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****	%EFEL		2/Year	COMPOS
	QL	*****	*****		*****	*****	*****				
ve Produced	Sample Measurement	*****	*****		*****	CODE=N Not Required	*****		0	3 Week	GRAB
11 nt Gross Value	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX	MG/L		3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
ve Produced	Sample Measurement	*****	*****		*****	<0.1	<0.1		0	3 Week	GRAB
11 nt Gross Value	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX	MG/L		3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
ature,	Sample Measurement	*****	*****		*****	12.8	19.2		0	1 Day	CONTIN
11 nt Gross Value	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
ification #	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
39	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814
Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 01/01/2017 - 01/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2017 To 01/31/2017
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 01/01/2017 - 01/31/2017

Discharge Monitoring Data:

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 0050 1 Effluent Gross Value	Sample Measurement	484	493	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT	REPORT								
	01MOAV	01DAMX									
	QL										
pH 0400 1 Effluent Gross Value	Sample Measurement				7.8		8.0	SU	0	1 Week	GRAB
	Permit Requirement				6.0		8.0				
	01DAMN		01DAMX								
	QL										
pH 0400 7 Intake From Stream	Sample Measurement				7.5		8.1	SU	0	1 Week	GRAB
	Permit Requirement				REPORT		REPORT				
	01DAMN		01DAMX								
	QL										
C50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement			CODE=N Not Required				%EFFL	0	2 Year	COMPOS
	Permit Requirement				REPORT						
	01DAMN										
	QL										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value	Sample Measurement			CODE=N Not Required				MG/L	0	3 Week	GRAB
	Permit Requirement				0.3		0.5				
	01MOAV		01DAMX								
	QL										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value	Sample Measurement				<0.1		<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement				REPORT		0.2				
	01MOAV		01DAMX								
	QL										
Temperature, °C 0010 1 Effluent Gross Value	Sample Measurement				12.9		17.0	DEG.C	0	1 Day	CONTIN
	Permit Requirement				REPORT		REPORT				
	01MOAV		01DAMX								
	QL										
Lab Certification # 09999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT		REPORT				
	Lab #		Lab #		Lab #		Lab #				
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 01/01/2017 - 01/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2017 To 01/31/2017
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 1/1/2017

SEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 01/01/2017 - 01/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
In Conduit or Treatment Plant G sew/Influent	Sample Measurement	64.6	78.5	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	OL	*****	*****		*****	*****	*****				
In Conduit or Treatment Plant 1 1t Gross Value	Sample Measurement	489	493	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	OL	*****	*****		*****	*****	*****				
1 1t Gross Value	Sample Measurement	*****	*****	*****	7.7	8.0	*****	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	9.0 01DAMX	*****				
	OL	*****	*****		*****	*****	*****				
7 From Stream	Sample Measurement	*****	*****	*****	7.5	8.1	*****	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	REPORT 01DAMX	*****				
	OL	*****	*****		*****	*****	*****				
1 1t Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		0.3 01MOAV	0.5 01DAMX	*****				
	OL	*****	*****		*****	*****	*****				
1 1t Gross Value	Sample Measurement	*****	*****	*****	<0.1	<0.1	*****	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01MOAV	REPORT 01DAMX	*****				
	OL	*****	*****		*****	*****	*****				
1 1t Gross Value	Sample Measurement	*****	*****	*****	*****	12.6	14.4	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		REPORT 01MOAV	REPORT 01DAMX	*****				
	OL	*****	*****		*****	*****	*****				
99	Sample Measurement	PA010	06003	*****	17327	*****	*****	*****	*****	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	OL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 01/01/2017 - 01

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2017 To 01/31/2017
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

--



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 01/01/2017 - 01/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2017 To 01/31/2017
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

SEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 01/01/2017 - 01/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
v, In Conduit or Treatment Plant 50 1 ient Gross Value	Sample Measurement	0.0201	0.0201						0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Month	CALCTD
	QL										
00 1 ient Gross Value	Sample Measurement				7.2		7.2		0	1 Month	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX	SU		1/Month	GRAB
	QL										
ds, Total pendent 30 1 ient Gross Value	Sample Measurement				4		4		0	1 Month	GRAB
	Permit Requirement				100 01DAMX		30 01MOAV	MG/L		1/Month	GRAB
	QL										
roleum rocarbons 51 1 ient Gross Value	Sample Measurement						<2		0	1 Month	GRAB
	Permit Requirement						10 01MOAV	MG/L		1/Month	GRAB
	QL						15 01DAMX				
bon, Tot Organic C) 80 1 ient Gross Value	Sample Measurement						3		0	1 Month	GRAB
	Permit Requirement						REPORT 01MOAV	MG/L		1/Month	GRAB
	QL						50 01DAMX				
Certification # 99 99	Sample Measurement	PA010	06003		17327						
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #		REPORT Lab #			Not Applic	NOT AP
	QL									Not Applic	NOT AP



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Waste Characterization Report

PI: 46814

Shell Generation Date: 6/10/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 08/01/2016 - 01/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2016 To 01/31/2017
Monitored Location: 048C SW Outfall 48C
Monitored Location Group: N/A
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Waste Characterization Report

Pl: 46814

Shell Generation Date: 6/10/2016

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 08/01/2016 - 01/31/2017.

Sample Date: (mm/dd/yyyy) 01/04/2017

Waste Characterization Data:				
Parameter	Reported Value	Units	Remark Code	Sample Type
Sulfate, Total (as SO ₄) 00945 1 Effluent Gross Value	1160000	UG/L	S Laboratory test	GRAB
Boron, Total (as B) 01022 1 Effluent Gross Value	370	UG/L	S Laboratory test	GRAB
Dichlorobromomethane 32101 1 Effluent Gross Value	29.5	UG/L	S Laboratory test	GRAB
Bromoform 32104 1 Effluent Gross Value	3.5	UG/L	S Laboratory test	GRAB
Chloroform 32106 1 Effluent Gross Value	88.9	UG/L	S Laboratory test	GRAB
Acrylonitrile 34215 1 Effluent Gross Value	<5	UG/L	S Laboratory test	GRAB
Chlorodibromomethane 34306 1 Effluent Gross Value	16.8	UG/L	S Laboratory test	GRAB
Lab Certification # 99999 99 Lab	PA010			NOT AP
Lab Certification # 99999 99 Lab				NOT AP
Lab Certification # 99999 99 Lab				NOT AP
Lab Certification # 99999 99 Lab				NOT AP
Lab Certification # 99999 99 Lab				NOT AP



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814
Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 02/01/2017 - 02/28/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2017 To 02/28/2017
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 02/01/2017 - 02/28/2017

Discharge Monitoring Data:

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement					5.1	7.9		0	Continuous	CONTIN
	Permit Requirement					REPORT 0.1MOAV	REPORT 0.1DAMX	DEG.C		Continuous	CONTIN
	QL										
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement					13.2	15.4		0	Continuous	CONTIN
	Permit Requirement					REPORT 0.1MOAV	REPORT 0.1DAMX	DEG.C		Continuous	CONTIN
	QL										
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement					8.2	9.3		0	1 Day	CALCTD
	Permit Requirement					REPORT 0.1MOAV	REPORT 0.1DAMX	DEG.C		1/Day	CALCTD
	QL										
Lab Certification #	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
99999 99 Lab	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814
Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 02/01/2017 - 02/28/2017

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2017 To 02/28/2017
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 02/01/2017 - 02/28/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/Influent	Sample Measurement					5.1	7.9		0	Continuous	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX		DEG.C			
	QL										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement					13.4	16.2		0	Continuous	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	13.3	DEG.C			
	QL										
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement					8.3	8.7		0	1 Day	CALCTD
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	15.3	DEG.C			
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applicable	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814
Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 02/01/2017 - 02/28/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2017 To 02/28/2017
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 02/01/2017 - 02/28/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2831	2856	MGD					0	1 Day	CALCTD
	Permit Requirement	3024	REPORT							1/Day	CALCTD
	OL	01MOAV	01DAMX								
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	14886	15560	MBTU/HR					0	1 Day	CALCTD
	Permit Requirement	REPORT	30600							1/Day	CALCTD
	OL	01MOAV	01DAMX								
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	OL	Lab #	Lab #		Lab #	Lab #	Lab #				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 02/01/2017 - 02/28/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2017 To 02/28/2017
Monitored Location: 048C SW Outfall 48C
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 02/01/2017 - 02/28/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.2949	0.4610						0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Day	CALCTD
	QL										
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement					6	6		0	2 Month	COMPOS
	Permit Requirement					30 01MOAV	100 01DAMX	MG/L		2/Month	COMPOS
	QL										
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement					2	3		0	2 Month	COMPOS
	Permit Requirement					35 01MOAV	70 01DAMX	MG/L		2/Month	COMPOS
	QL										
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement					<2	<2		0	2 Month	GRAB
	Permit Requirement					10 01MOAV	15 01DAMX	MG/L		2/Month	GRAB
	QL										
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement					6	6		0	2 Month	COMPOS
	Permit Requirement					REPORT 01MOAV	50 01DAMX	MG/L		2/Month	COMPOS
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 02/01/2017 - 02/28/2017

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622

Monitoring Period: 02/01/2017 To 02/28/2017

Monitored Location: 481A SW Outfall 481A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 02/01/2017 - 02/28/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	488	493						0	1 Day	CALCTD
	Permit Requirement	REPORT	REPORT	MGD							
	Requirement	01MOAV	01DAMX							1/Day	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.7		8.1		0	1 Week	GRAB
	Permit Requirement				6.0		8.0	SU			
	Requirement				01DAMN		01DAMX			1/Week	GRAB
	QL										
pH 00400 7 Intake From Stream	Sample Measurement				7.5		7.8		0	1 Week	GRAB
	Permit Requirement				REPORT		REPORT	SU			
	Requirement				01DAMN		01DAMX			1/Week	GRAB
	QL										
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
	Permit Requirement				REPORT			%EFFL			
	Requirement				01DAMN					2/Year	COMPOS
	QL										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Required				0	3 Week	GRAB
	Permit Requirement					0.5	0.5	MG/L			
	Requirement					01MOAV	01DAMX			3/Week	GRAB
	QL										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 2	Sample Measurement					<0.1	<0.1		0	3 Week	GRAB
	Permit Requirement					REPORT	0.2	MG/L			
	Requirement					01MOAV	01DAMX			3/Week	GRAB
	QL										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement					13.0	18.1		0	1 Day	CONTIN
	Permit Requirement					REPORT	REPORT	DEG C			
	Requirement					01MOAV	01DAMX			1/Day	CONTIN
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #				
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 02/01/2017 - 02/28/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2017 To 02/28/2017
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 02/01/2017 - 02/28/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	468	479							1 Day	CALCTD
	Permit Requirement	REPORT	REPORT	MGD					0	1 Day	CALCTD
	Requirement	01MOAV	01DAMX							1/Day	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.7		8.1		0	1 Week	GRAB
	Permit Requirement				6.0		9.0	SU		1/Week	GRAB
	Requirement				01DAMN		01DAMX				
	QL										
pH 00400 7 Intake From Stream	Sample Measurement				7.5		7.8		0	1 Week	GRAB
	Permit Requirement				REPORT		REPORT	SU		1/Week	GRAB
	Requirement				01DAMN		01DAMX				
	QL										
LC50 Statre 96hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
	Permit Requirement				REPORT			EFFL		2/Year	COMPOS
	Requirement				01DAMN						
	QL				150						
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required				0	3 Week	GRAB
	Permit Requirement				0.3		0.5	MG/L		3/Week	GRAB
	Requirement				01MOAV		01DAMX				
	QL										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value	Sample Measurement				<0.1		<0.1		0	3 Week	GRAB
	Permit Requirement				REPORT		0.2	MG/L		3/Week	GRAB
	Requirement				01MOAV		01DAMX				
	QL										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				13.3		17.6		0	1 Day	CONTIN
	Permit Requirement				REPORT		REPORT	DEG.C		1/Day	CONTIN
	Requirement				01MOAV		01DAMX				
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT		REPORT			Not Applic	NOT AP
	Requirement	Lab #	Lab #		Lab #		Lab #				
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814
Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 02/01/2017 - 02/28/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2017 To 02/28/2017
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 02/01/2017 - 02/28/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1	Sample Measurement	469	476						0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Day	CALCTD
	QL										
pH 00400 1	Sample Measurement				7.6		8.1		0	1 Week	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX	SU		1/Week	GRAB
	QL										
pH 00400 7	Sample Measurement				7.5		7.8		0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1/Week	GRAB
	QL										
Chlorine Produced Oxidants *CPOX 1	Sample Measurement				CODE=N	Not Req	E=N	Not Required	0	3 Week	GRAB
	Permit Requirement				0.3 01MOAV		0.5 01DAMX	MG/L		3/Week	GRAB
	QL										
Chlorine Produced Oxidants *CPOX 1	Sample Measurement				<0.1		<0.1		0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV		0.2 01DAMX	MG/L		3/Week	GRAB
	QL										
Temperature, oC 00010 1	Sample Measurement					13.5	19.6		0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	DEG.C		1/Day	CONTIN
	QL										
Lab Certification # 99999 99	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 02/01/2017 - 02/28/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2017 To 02/28/2017
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pt: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 02/01/2017 - 02/28/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, in Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	493	494						0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Day	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.6		8.2		0	1 Week	GRAB
	Permit Requirement				6.0		8.0	SU		1/Week	GRAB
	QL				01DAMN		01DAMX				
pH 00400 7 Intake From Stream	Sample Measurement				7.5		7.8		0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1/Week	GRAB
	QL										
LC50 Statre 96hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
	Permit Requirement				REPORT 01DAMN			%EFFL		2/Year	COMPOS
	QL										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Required				0	3 Week	GRAB
	Permit Requirement				0.3		0.5	MG/L		3/Week	GRAB
	QL				01MOAV		01DAMX				
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1		<0.1		0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	MG/L		3/Week	GRAB
	QL										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				13.3		16.8		0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	DEG.C		1/Day	CONTIN
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 02/01/2017 - 02/28/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2017 To 02/28/2017
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 02/01/2017 - 02/28/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	489	492						0	1 Day	CALCTD
50050 1 Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Day	CALCTD
	QOL										
pH	Sample Measurement				7.7		8.1		0	1 Week	GRAB
00400 1 Effluent Gross Value	Permit Requirement				6.0		9.0	SU		1/Week	GRAB
	QOL				01DAMN		01DAMX				
pH	Sample Measurement				7.5		7.8		0	1 Week	GRAB
00400 7 Intake From Stream	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1/Week	GRAB
	QOL										
LC50 State 96hr Acu Cyprinodon	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
TAN6A 1 Effluent Gross Value	Permit Requirement				REPORT 01DAMN			%EFFL		2/Year	COMPOS
	QOL				50						
Chlorine Produced Oxidants	Sample Measurement				CODE=N Not Req	E=N Not Required			0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement				0.3		0.5	MGAL		3/Week	GRAB
	QOL				01MOAV		01DAMX				
Chlorine Produced Oxidants	Sample Measurement				<0.1		<0.1		0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement				REPORT 01MOAV		0.2	MGAL		3/Week	GRAB
	QOL						01DAMX				
Temperature, oC	Sample Measurement				13.5		17.5		0	1 Day	CONTIN
00010 1 Effluent Gross Value	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	DEG.C		1/Day	CONTIN
	QOL										
Lab Certification #	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
99999 99 Lab	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #		REPORT Lab #			Not Applic	NOT AP
	QOL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 02/01/2017 - 02/28/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2017 To 02/28/2017
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 02/01/2017 - 02/28/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	63.6	66.9								
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD					0	1 Day	CALCTD
	OL									1 Day	CALCTD
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	488	489								
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD					0	1 Day	CALCTD
	OL									1 Day	CALCTD
pH 00400 1 Effluent Gross Value	Sample Measurement				7.6		8.1				
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU	0	1 Week	GRAB
	OL									1 Week	GRAB
pH 00400 7 Intake From Stream	Sample Measurement				7.5		7.8				
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU	0	1 Week	GRAB
	OL									1 Week	GRAB
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Required=N Not Required						
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	MG/L	0	1 Week	GRAB
	OL									1 Week	GRAB
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1		<0.1				
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	MG/L	0	1 Week	GRAB
	OL									1 Week	GRAB
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				13.4		17.0				
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	DEG C	0	1 Day	CONTIN
	OL									1 Day	CONTIN
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327						
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #		REPORT Lab #			Not Applicable	NOT AP
	OL									Not Applicable	NOT AP



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814
Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 02/01/2017 - 02/28/2017

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2017 To 02/28/2017
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 02/01/2017 - 02/28/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0120	0.0120	MGD					0	1 Month	CALCTD
	Permit Requirement	REPORT	REPORT								
		01MOAV	01DAMX							1/Month	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.5		7.5	SU	0	1 Month	GRAB
	Permit Requirement				6.0		9.0				
					01DAMN		01DAMX			1/Month	GRAB
	QL										
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement				<4		<4	MG/L	0	1 Month	GRAB
	Permit Requirement				100		30				
					01DAMX		01MOAV			1/Month	GRAB
	QL										
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement						<2	MG/L	0	1 Month	GRAB
	Permit Requirement						10				
							01MOAV			1/Month	GRAB
	QL						501DAMX				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement						5	MG/L	0	1 Month	GRAB
	Permit Requirement						REPORT				
							01MOAV			1/Month	GRAB
	QL						501DAMX				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
		Lab #	Lab #		Lab #	Lab #	Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 02/01/2017 - 02/28/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2017 To 02/28/2017
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814
Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 03/01/2017 - 03/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2017 To 03/31/2017
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 03/01/2017 - 03/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C	Sample Measurement				6.7	9.0			0	Continuous	CONTIN
00010 G Raw Sew/Influent	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	DEG C			Continuous	CONTIN
	QL										
Temperature, °C	Sample Measurement				14.6	18.9			0	Continuous	CONTIN
00010 1 Effluent Gross Value	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	DEG C			Continuous	CONTIN
	QL										
Temperature, °C	Sample Measurement				7.9	9.9			0	1 Day	CALCTD
00010 2 Effluent Net Value	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	DEG C			1/Day	CALCTD
	QL										
Lab Certification #	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
99999 99 Lab	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

Pl: 46814
Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 03/01/2017 - 03/31/2017

Permittee:
PSEG 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

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2017 To 03/31/2017
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 03/01/2017 - 03/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement				6.7	9.0		0	Continuous	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	CONTIN
	QL									
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement				15.2	17.5		0	Continuous	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	CONTIN
	QL									
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement				8.4	8.5		0	1 Day	CALCTD
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	DEG.C		1/Day	CALCTD
	QL									
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL									



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PL: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 03/01/2017 - 03/31/2017

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622

Monitoring Period: 03/01/2017 To 03/31/2017

Monitored Location: FACC SW Outfall FACC

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 03/01/2017 - 03/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2831	2856						0	1 Day	CALCTD
	Permit Requirement	3024	REPORT	MGD							
	Requirement	01MOAV	01DAMX							1/Day	CALCTD
	QL										
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	14822	15500						0	1 Day	BATCH
	Permit Requirement	REPORT	30600	MBTU/HR							
	Requirement	01MOAV	01DAMX							1/Day	CALCTD
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 03/01/2017 - 03/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2017 To 03/31/2017
Monitored Location: 048C SW Outfall 48C
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 03/01/2017 - 03/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant: 50050 1. Effluent Gross Value:	Sample Measurement	0.3252	0.5206							1 Day	CALCTD
	Permit Requirement	REPORT	REPORT	MGD					0	1 Day	CALCTD
	QL	01MOAV	01DAMX							1/Day	CALCTD
Solids, Total Suspended 00530 1. Effluent Gross Value	Sample Measurement				8	10			0	2 Month	COMPOS
	Permit Requirement				30	100		MG/L		2/Month	COMPOS
	QL				01MOAV	01DAMX					
Nitrogen, Ammonia Total (as N) 00610 1. Effluent Gross Value	Sample Measurement				16	17			0	2 Month	COMPOS
	Permit Requirement				35	70		MG/L		2/Month	COMPOS
	QL				01MOAV	01DAMX					
Petroleum Hydrocarbons 00551 1. Effluent Gross Value	Sample Measurement				<2	<2			0	2 Month	GRAB
	Permit Requirement				10	15		MG/L		2/Month	GRAB
	QL				01MOAV	01DAMX					
Carbon, Tot Organic (TOC) 00680 1. Effluent Gross Value	Sample Measurement				17	21			0	2 Month	COMPOS
	Permit Requirement				REPORT	50		MG/L		2/Month	COMPOS
	QL				01MOAV	01DAMX					
Lab Certification #: 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	QL	Lab #	Lab #		Lab #	Lab #	Lab #				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 03/01/2017 - 03/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2017 To 03/31/2017
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 03/01/2017 - 03/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1	Sample Measurement	493	501						0	1 Day	CALCTD
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1 Day	CALCTD3
pH	Sample Measurement				7.6		8.0		0	1 Week	GRAB
00400 1	Permit Requirement				6.0		9.0	SU		1 Week	GRAB
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX							1 Week	GRAB
pH	Sample Measurement				7.5		8.1		0	1 Week	GRAB
00400 7	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1 Week	GRAB
Intake From Stream	Permit Requirement									1 Week	GRAB
LC50 Statre 96hr Acu Cyprinodon TAN6A 1	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
Effluent Gross Value	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	KEFF		2 Year	COMPOS
Chlorine Produced Oxidants *CPOX 1	Sample Measurement								0	3 Week	GRAB
Effluent Gross Value 1	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	MG/L		3 Week	GRAB
Chlorine Produced Oxidants *CPOX 1	Sample Measurement								0	3 Week	GRAB
Effluent Gross Value 2	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	MG/L		3 Week	GRAB
Temperature, °C	Sample Measurement				14.2		18.6		0	1 Day	CONTIN
00010 1	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	DEG C		1 Day	CONTIN
Effluent Gross Value	Permit Requirement									1 Day	CONTIN
Lab Certification #	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
99999 99	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #		REPORT Lab #			Not Applic	NOT AP
Lab	Permit Requirement									Not Applic	NOT AP



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 03/01/2017 - 03/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2017 To 03/31/2017
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 03/01/2017 - 03/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1	Sample Measurement	455	480						0	1 Day	CALCTD
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MOD						1/Day	CALCTD
pH	Sample Measurement				7.6		8.0		0	1 Week	GRAB
00400 1	Permit Requirement				6.0 01DAMN		9.0 01DAMX	SU		1/Week	GRAB
Effluent Gross Value	Permit Requirement										
pH	Sample Measurement				7.5		8.1		0	1 Week	GRAB
00400 7	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1/Week	GRAB
Inlake From Stream	Permit Requirement										
LC50 Staire 96hr Acu Cyprinodon TAN6A 1	Sample Measurement			CODE=N	Not Required				0	2 Year	COMPOS
Effluent Gross Value	Permit Requirement				REPORT 01DAMN			EFF		2/Year	COMPOS
Chlorine Produced Oxidants	Sample Measurement								0	3 Week	GRAB
CPOX 1	Permit Requirement				CODE=N	Not Req	E=N	Not Required			
Effluent Gross Value	Permit Requirement				0.3 01MOAV		0.5 01DAMX	MGL		3/Week	GRAB
Chlorine Produced Oxidants	Sample Measurement					<0.1	<0.1		0	3 Week	GRAB
CPOX 1	Permit Requirement				REPORT 01MOAV		0.2 01DAMX	MGL		3/Week	GRAB
Effluent Gross Value	Permit Requirement										
Temperature, °C	Sample Measurement					14.9	21.5		0	1 Day	CONTIN
00010 1	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	DEC C		1/Day	CONTIN
Effluent Gross Value	Permit Requirement										
Lab Certification #	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
99999 99	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
Lab	Permit Requirement										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 03/01/2017 - 03/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2017 To 03/31/2017
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 03/01/2017 - 03/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	475	481	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX							1/Day	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.3		8.0	SU	0	1 Week	GRAB
	Permit Requirement				6.0 01DAMN		8.0 01DAMX			1/Week	GRAB
	QL										
pH 00400 7 Intake From Stream	Sample Measurement				7.5		8.1	SU	0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX			1/Week	GRAB
	QL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Required=N Not Required			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 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					14.9	19.2	DEG C	0	1 Day	CONTIN
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 03/01/2017 - 03/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2017 To 03/31/2017
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 03/01/2017 - 03/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	496	501						0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Day	CALCTD
	OL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.3		8.0		0	1 Week	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX	SI		1/Week	GRAB
	OL										
pH 00400 7 Intake From Stream	Sample Measurement				7.5		8.1		0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SI		1/Week	GRAB
	OL										
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
	Permit Requirement				REPORT 01DAMN			EFFL		2/Year	COMPOS
	OL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Required				0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	MG/L		3/Week	GRAB
	OL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1		<0.1		0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	MG/L		3/Week	GRAB
	OL										
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement				15.0		17.8		0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX	DEG C		1/Day	CONTIN
	OL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #		REPORT Lab #			Not Applic	NOT AP
	OL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 03/01/2017 - 03/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2017 To 03/31/2017
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 03/01/2017 - 03/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, in Conduit or Thru Treatment Plant	Sample Measurement	0.0093	0.0093	MGD					0	1 Batch	CALCTD
50050 1	Permit Requirement	REPORT	REPORT								
Effluent Gross Value	QL	0.01 MOAV	0.01 DAMX							1/Batch	CALCTD
pH	Sample Measurement				7.3		7.3		0	1 Batch	GRAB
00400 1	Permit Requirement				6.0		9.0	SD			
Effluent Gross Value	QL				0.01 DAMX		0.01 DAMX			1/Batch	GRAB
Solids, Total Suspended	Sample Measurement					<1	<1		0	1 Batch	GRAB
00530 1	Permit Requirement				REPORT		100	MG/L			
Effluent Gross Value	QL				0.01 MOAV		0.01 DAMX			1/Batch	GRAB
Temperature, °C	Sample Measurement				13.7		13.7		0	1 Batch	GRAB
00010 1	Permit Requirement				REPORT		43.3	DEG.C			
Effluent Gross Value	QL				0.01 MOAV		0.01 DAMX			1/Batch	GRAB
Petroleum Hydrocarbons	Sample Measurement					<2	<2		0	1 Batch	GRAB
00551 1	Permit Requirement				REPORT		15	MG/L			
Effluent Gross Value	QL				0.01 MOAV		0.01 DAMX			1/Batch	GRAB
Carbon, Tot Organic (TOC)	Sample Measurement					4	4		0	1 Batch	GRAB
00680 1	Permit Requirement				REPORT		50	MG/L			
Effluent Gross Value	QL				0.01 MOAV		0.01 DAMX			1/Batch	GRAB
Lab Certification #	Sample Measurement	PA010	06003		17327					Not Apply	NOT AP
90999 99	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
Lab	QL	Lab #	Lab #		Lab #	Lab #	Lab #			Not Apply	NOT AP



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 03/01/2017 - 03

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2017 To 03/31/2017
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

DSN 485A sampling frequency decreased due to standpipe isolation for plant maintenance. A total of 9 samples were taken for chlorine produced oxidants, and 3 samples for Effluent Gross pH for the month of March.

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pt: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 03/01/2017 - 03/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow; In Conduit or Thru Treatment Plant 50050 1	Sample Measurement	492	493	MGD					0	1 Day	CALCTD
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX							1/Day	CALCTD
pH	Sample Measurement				7.3		8.0		0	1 Week	GRAB
00400 1 Effluent Gross Value	Permit Requirement				6.0 01DAMN		9.0 01DAMX	SU		1/Week	GRAB
pH	Sample Measurement				7.5		8.1		0	1 Week	GRAB
00400 7 Intake From Stream	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1/Week	GRAB
LC50 Stat96 96hr Acu CypriInodon TANBA 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
	Permit Requirement				REPORT 01DAMN			%EFFL		2/Year	COMPOS
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 1	Sample Measurement								0	3 Week	GRAB
	Permit Requirement					0.3 01MOAV	0.5 01DAMX	MG/L		3/Week	GRAB
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 2	Sample Measurement					<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX	MG/L		3/Week	GRAB
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement					15.1	18.0	DEG.C	0	1 Day	CONTIN
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
Lab Certification # 99099 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 03/01/2017 - 03/31/2017

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

NJPDES Permit Number: NJ0005622

Monitoring Period: 03/01/2017 To 03/31/2017

Monitored Location: 486A SW Outfall 486A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 03/01/2017 - 03/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sewinfluent	Sample Measurement	71.5	95.0	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX								
	OL										
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	491	494	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX								
	OL										
pH 00400 1 Effluent Gross Value	Sample Measurement				6.4	8.0		SU	0	1 Week	GRAB
	Permit Requirement				6.0 01DAMN	9.0 01DAMX					
	OL										
pH 00400 7 Intake From Stream	Sample Measurement				7.5	8.1		SU	0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN	REPORT 01DAMX					
	OL										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Req E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement				0.5 01MOAV	0.5 01DAMX					
	OL										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1	<0.1		MG/L	0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV	0.2 01DAMX					
	OL										
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement				15.3	18.0		DEG.C	0	1 Day	CONTIN.
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX					
	OL										
Lab Certification # 90999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applicable	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	OL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 03/01/2017 - 03/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2017 To 03/31/2017
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 03/01/2017 - 03/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	0.0426	0.0426						0	1 Month	CALCTD
50050.1 Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Month	CALCTD
	OL										
pH	Sample Measurement				7.9		7.9		0	1 Month	GRAB
00400.1 Effluent Gross Value	Permit Requirement				6.0 01DAMN		9.0 01DAMX	SU		1/Month	GRAB
	OL										
Solids, Total Suspended	Sample Measurement				5		5		0	1 Month	GRAB
00530.1 Effluent Gross Value	Permit Requirement				100 01DAMX		30 01MOAV	MG/L		1/Month	GRAB
	OL										
Petroleum Hydrocarbons	Sample Measurement						<5		0	1 Month	GRAB
00551.1 Effluent Gross Value	Permit Requirement						10 01MOAV	MG/L		1/Month	GRAB
	OL						15 01DAMX				
Carbon, Tot Organic (TOC)	Sample Measurement						2		0	1 Month	GRAB
00680.1 Effluent Gross Value	Permit Requirement						REPORT 01MOAV	MG/L		1/Month	GRAB
	OL										
Lab Certification #	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
99999.99 Lab	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	OL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 04/01/2017 - 04/30/2017

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622

Monitoring Period: 04/01/2017 To 04/30/2017

Monitored Location: FACA SW Outfall FACA

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

--

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 04/01/2017 - 04/30/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C	Sample Measurement			13.4	17.9			
00010 G	Permit Requirement			REPORT	REPORT	0	Continuous	CONTIN
Raw Sew/Influent	QL			01MOAV	01DAMX		Continuous	CONTIN
Temperature, °C	Sample Measurement			22.0	26.0			
00010 1	Permit Requirement			REPORT	43.3	0	Continuous	CONTIN
Effluent Gross Value	QL			01MOAV	01DAMX		Continuous	CONTIN
Temperature, °C	Sample Measurement			8.6	12.2			
00010 2	Permit Requirement			REPORT	15.3	0	1 Day	CALCTD
Effluent Net Value	QL			01MOAV	01DAMX		1/Day	CALCTD
Lab Certification #	Sample Measurement	PA010	06003	17327			Not Applic	NOT AP
99999 99	Permit Requirement	REPORT	REPORT	REPORT	REPORT		Not Applic	NOT AP
Lab	QL	Lab #	Lab #	Lab #	Lab #			



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 04/01/2017 - 04/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 04/01/2017 To 04/30/2017
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814
Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 04/01/2017 - 04/30/2017

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622
Monitoring Period: 04/01/2017 To 04/30/2017
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 04/01/2017 - 04/30/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement					13.4	17.9		0	Continuous	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX		DEG.C		Continuous	CONTIN
	QL										
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement					18.6	25.2		0	Continuous	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	43.3	DEG.C		Continuous	CONTIN
	QL										
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement					5.2	11.2		0	1 Day	CALCTD
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	15.3	DEG.C		1/Day	CALCTD
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814
Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 04/01/2017 - 04/30/2017

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

NJPDES Permit Number: NJ0005622

Monitoring Period: 04/01/2017 To 04/30/2017

Monitored Location: 048C SW Outfall 48C

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 04/01/2017 - 04/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2028	2856	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	3024	REPORT		*****	*****	*****				
	Requirement	01MOAV	01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	11154	17076	MBTU/HR	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT	30800		*****	*****	*****				
	Requirement	01MOAV	01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 04/01/2017 - 04/30/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.3113	0.6561	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT	REPORT								
	Requirement	01MOAV	01DAMX							1/Day	CALCTD
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement				7	8	MG/L		0	2 Month	COMPOS
	Permit Requirement				30	100					
	Requirement				01MOAV	01DAMX				2/Month	COMPOS
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement				17	18	MG/L		0	2 Month	COMPOS
	Permit Requirement				35	70					
	Requirement				01MOAV	01DAMX				2/Month	COMPOS
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement				<2	<2	MG/L		0	2 Month	GRAB
	Permit Requirement				10	15					
	Requirement				01MOAV	01DAMX				2/Month	GRAB
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement				9	12	MG/L		0	2 Month	COMPOS
	Permit Requirement				REPORT	50					
	Requirement				01MOAV	01DAMX				2/Month	COMPOS
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT					
	Requirement	Lab #	Lab #		Lab #	Lab #				Not Applic	NOT AP



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 04/01/2017 - 04/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 04/01/2017 To 04/30/2017
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

--

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 04/01/2017 - 04/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	487	501	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.1	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.0	*****	7.5	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	21.8	29.4	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003	*****	17327			*****		Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No Ex.	Frequency of Analysis	Sample Type
-----------	--	---------------------	-------	--------------------------	-------	-----------	--------------------------	----------------



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 04/01/2017 - 04/30/2017

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622
Monitoring Period: 04/01/2017 To 04/30/2017
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pt: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 04/01/2017 - 04/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	460	480						0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Day	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.0		7.4		0	1 Week	GRAB
	Permit Requirement				8.0 01DAMN		9.0 01DAMX	SU		1/Week	GRAB
	QL										
pH 00400 7 Intake From Stream	Sample Measurement				7.0		7.5		0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU		1/Week	GRAB
	QL										
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required				0	2 Year	COMPOS
	Permit Requirement				REPORT 01DAMN			%EFFL		2/Year	COMPOS
	QL										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Req	E=N Not Required			0	3 Week	GRAB
	Permit Requirement				0.5 01MOAV	0.5 01DAMX	MG/L			3/Week	GRAB
	QL										
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1		<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV	0.2 01DAMX	MG/L			3/Week	GRAB
	QL										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				22.1		30.2		0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX	DEG.C			1/Day	CONTIN
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 04/01/2017 - 04/30/2017

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622
Monitoring Period: 04/01/2017 To 04/30/2017
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 04/01/2017 - 04/30/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	438	484	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX								
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.0		7.4	SU	0	1 Week	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX				
	QL										
pH 00400 7 Intake From Stream	Sample Measurement				7.0		7.5	SU	0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX				
	QL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Required E=N Not Required				0	3 Week	GRAB
	Permit Requirement				0.3 01MOAV		0.5 01DAMX				
	QL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1		<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV		0.2 01DAMX				
	QL										
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement				22.4		29.7	DEG C	0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV		REPORT 01DAMX				
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

Pl: 46814
Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 04/01/2017 - 04/30/2017

Permittee:
PSEG 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

NJPDES Permit Number: NJ0005622
Monitoring Period: 04/01/2017 To 04/30/2017
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Report Recipient:
PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

CPOX options 1&2 reported this monitoring period due to unit 2 re-fueling outage

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 04/01/2017 - 04/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	256	502				1.119			1	
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD					0	Day	CALCTD
	QL									1/Day	CALCTD
pH 00400 1 Effluent Gross Value	Sample Measurement				7.1		7.4			1	
	Permit Requirement				6.0		9.0	SU	0	Week	GRAB
	QL				01DAMN		01DAMX			1/Week	GRAB
pH 00400 7 Intake From Stream	Sample Measurement				7.0		7.5			1	
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX	SU	0	Week	GRAB
	QL									1/Week	GRAB
LC50 Staire 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required					2	
	Permit Requirement				REPORT 01DAMN			%EFFL	0	Year	COMPOS
	QL				60					2/Year	COMPOS
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement					<0.1	<0.1			3	
	Permit Requirement					0.3	0.5	MG/L	0	Week	GRAB
	QL					01MOAV	01DAMX			3/Week	GRAB
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement					<0.1	<0.1			3	
	Permit Requirement					REPORT 01MOAV	0.2 01DAMX	MG/L	0	Week	GRAB
	QL									3/Week	GRAB
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement					19.2	26.4			1	
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX	DEG.C		Day	CONTIN
	QL									1/Day	CONTIN
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327						
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applicable	NOT AP
	QL									Not Applicable	NOT AP



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 04/01/2017 - 04/30/2017

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

NJPDES Permit Number: NJ0005622

Monitoring Period: 04/01/2017 To 04/30/2017

Monitored Location: 485A SW Outfall 485A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

DSN 485A sampling for pH effluent gross value and CPOX options 1&2 not performed for the month of April due to sample standpipe isolation for plant maintenance. Sampling of DSN 485A resumed on 5/18/2017.

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 04/01/2017 - 04/30/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	207	493	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=8 Other	*****	CODE=8 Other	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.0	*****	7.5	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required	*****	*****	%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	CODE=8 Other	CODE=8 Other	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	CODE=8 Other	CODE=8 Other	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	19.1	26.7	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003	3	17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 04/01/2017 - 04/30/2017

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622

Monitoring Period: 04/01/2017 To 04/30/2017

Monitored Location: 486A SW Outfall 486A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

CPOX options 1&2 reported this monitoring period due to unit 2 re-fueling outage

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 04/01/2017 - 04/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	91.0	106.8	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	270	495	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.1	*****	7.4	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	*****	*****	*****	7.0	*****	7.5	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 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 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, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	17.7	25.0	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	08003	*****	17327			*****		Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 4/1/2017

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 04/01/2017 - 04/30/2017

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622

Monitoring Period: 04/01/2017 To 04/30/2017

Monitored Location: 487B SW Outfall 487B

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 04/01/2017 - 04/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0093	0.0093						0	1	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD						1/Batch	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				6.0		6.0		0	1	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX	SU		1/Batch	GRAB
	QL										
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement					12	12		0	1	GRAB
	Permit Requirement					REPORT 01MOAV	100 01DAMX	MG/L		1/Batch	GRAB
	QL										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement					13.9	13.9		0	1	GRAB
	Permit Requirement					REPORT 01MOAV	43.3 01DAMX	DEG C		1/Batch	GRAB
	QL										
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement					<2	<2		0	1	GRAB
	Permit Requirement					REPORT 01MOAV	15 01DAMX	MG/L		1/Batch	GRAB
	QL										
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement					4	4		0	1	GRAB
	Permit Requirement					REPORT 01MOAV	50 01DAMX	MG/L		1/Batch	GRAB
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

Pt: 46814
Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 04/01/2017 - 04/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 04/01/2017 To 04/30/2017
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 04/01/2017 - 04/30/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0240	0.0240	MGD					0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX							1/Month	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.5		7.5	SU	0	1 Month	GRAB
	Permit Requirement				6.0		9.0			1/Month	GRAB
	QL				01DAMX		01DAMX				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement				7		7	MG/L	0	1 Month	GRAB
	Permit Requirement				100		30			1/Month	GRAB
	QL				01DAMX		01MOAV				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement						<2	MG/L	0	1 Month	GRAB
	Permit Requirement						10			1/Month	GRAB
	QL						01MOAV 01DAMX				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement						4	MG/L	0	1 Month	GRAB
	Permit Requirement						REPORT 50			1/Month	GRAB
	QL						01MOAV 01DAMX				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327					Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 06/01/2017 - 06/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2017 To 06/30/2017
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 06/01/2017 - 06/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	24.4	27.3	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	32.3	36.0	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	7.9	9.0	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 06/01/2017 - 06/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2017 To 06/30/2017
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 06/01/2017 - 06/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	24.4	27.3	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	31.7	35.1	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	7.3	7.9	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 06/01/2017 - 06/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2017 To 06/30/2017
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 06/01/2017 - 06/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2839	2856	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	3024	REPORT		*****	*****	*****				
	Requirement	01MOAV	01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	14059	14588	MBTU/HR	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT	30600		*****	*****	*****				
	Requirement	01MOAV	01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 06/01/2017 - 06/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2017 To 06/30/2017
Monitored Location: 048C SW Outfall 48C
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 06/01/2017 - 06/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.2837	0.4714	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	*****	*****	*****	*****	12	16	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	*****	*****	*****	*****	12	16	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	*****	*****	*****	*****	<2	<2	MG/L	0	2 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX			2/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	6	8	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 06/01/2017 - 06/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2017 To 06/30/2017
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 4/1/2017

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 06/01/2017 - 06/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	500	509	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	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	*****	*****	*****	6.8	*****	8.5	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 Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****		2/Year	COMPOS	
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			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 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	*****	*****	*****	*****	32.2	36.8	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 06/01/2017 - 06/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2017 To 06/30/2017
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

PI: 46814
Shell Generation Date: 4/1/2017

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 06/01/2017 - 06/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	471	482	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	6.8	*****	8.5	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 Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****		2/Year	COMPOS	
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			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 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	*****	*****	*****	*****	32.4	37.4	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 06/01/2017 - 06/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2017 To 06/30/2017
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 06/01/2017 - 06/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	478	487	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.5	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	*****	*****	*****	6.8	*****	8.5	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not RequiredE=N Not Required			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 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	*****	*****	*****	*****	32.3	36.8	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814
Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 06/01/2017 - 06/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2017 To 06/30/2017
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 06/01/2017 - 06/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	506	509	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.4	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	*****	*****	*****	6.8	*****	8.5	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 Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN 50	*****	*****		2/Year	COMPOS	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			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 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	*****	*****	*****	*****	32.2	35.8	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 06/01/2017 - 06/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2017 To 06/30/2017
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 4/1/2017

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 06/01/2017 - 06/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	492	495	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.5	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	*****	*****	*****	6.8	*****	8.5	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 Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****		2/Year	COMPOS	
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			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 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	*****	*****	*****	*****	32.1	35.8	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 06/01/2017 - 06/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2017 To 06/30/2017
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 06/01/2017 - 06/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	107.0	126.7	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	Requirement QL	*****	*****		*****	*****	*****				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	498	500	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	Requirement QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.4	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	Requirement QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	6.8	*****	8.5	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	Requirement QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not RequiredE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	Requirement QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	Requirement QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	30.8	35.8	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	Requirement QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	Requirement QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 06/01/2017 - 06/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2017 To 06/30/2017
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 06/01/2017 - 06/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0093	0.0093	MGD	*****	*****	*****	*****	0	1 Batch	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.1	*****	7.1	SU	0	1 Batch	GRAB
	Permit Requirement	*****	*****		6.0	*****	9.0				
	QL	*****	*****		01DAMN	*****	01DAMX				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	5	5	MG/L	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	100 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	24.0	24.0	DEG.C	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	43.3 01DAMX				
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<2	<2	MG/L	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15 01DAMX				
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	4	4	MG/L	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 06/01/2017 - 06/30/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2017 To 06/30/2017
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 06/01/2017 - 06/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0296	0.0296	MGD	*****	*****	*****	*****	0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Month	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.7	*****	7.7	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	*****	*****	*****	12	12	*****	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	*****	*****	*****	*****	<2	<2	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	*****	*****	*****	*****	6	6	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA010	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 07/01/2017 - 07/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2017 To 07/31/2017
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 07/01/2017 - 07/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	28.2	30.1	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	35.9	37.8	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	7.7	7.7	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 7/1/2017

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 07/01/2017 - 07/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2017 To 07/31/2017
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 07/01/2017 - 07/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/influent	Sample Measurement	*****	*****	*****	*****	28.2	30.1	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	36.1	37.9	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	7.8	7.9	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003		PA051	NY158			0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 07/01/2017 - 07/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2017 To 07/31/2017
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 07/01/2017 - 07/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2853	2856	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	3024	REPORT		*****	*****	*****		1/Day	CALCTD	
	Requirement	01MOAV	01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	14479	14575	MBTU/HR	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT	30600		*****	*****	*****		1/Day	CALCTD	
	Requirement	01MOAV	01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003		PA051	NY158			0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT		Not Applic	NOT AP	
	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 07/01/2017 - 07/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2017 To 07/31/2017
Monitored Location: 048C SW Outfall 48C
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 07/01/2017 - 07/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.2871	0.4783	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	*****	*****	*****	*****	12	15	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	*****	*****	*****	*****	16	16	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	9	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 07/01/2017 - 07/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2017 To 07/31/2017
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 07/01/2017 - 07/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	509	509	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		8.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.4	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required	*****	*****	%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****			2/Year	COMPOS
	QL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required	*****	*****	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 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	35.8	38.4	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158	*****	*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 07/01/2017 - 07/31/2017

Permittee:

PSEG 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

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2017 To 07/31/2017
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 07/01/2017 - 07/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	481	482	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.5	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.4	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Staire 96hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****			2/Year	COMPOS
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			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 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	*****	*****	*****	*****	36.1	38.6	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	*****	*****		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 07/01/2017 - 07/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2017 To 07/31/2017
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 07/01/2017 - 07/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	486	487	MGD	****	****	****	****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		****	****	****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	****	****	****	7.4	****	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	****	****	****	7.4	****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	****	****		REPORT 01DAMN	****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	****	****	****	CODE=N Not Required=N Not Required			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 2	Sample Measurement	****	****	****	****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	****	****		****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	****	****	****	****	35.8	38.3	DEG.C	0	1 Day	CONTIN
	Permit Requirement	****	****		****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003		PA051	NY158			0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 07/01/2017 - 07/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2017 To 07/31/2017
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 07/01/2017 - 07/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	512	518	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.5	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.4	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	36.1	38.7	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA651	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 07/01/2017 - 07/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2017 To 07/31/2017
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 07/01/2017 - 07/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	495	496	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0	*****	9.0			1/Week	GRAB
	QL	*****	*****		01DAMN	*****	01DAMX				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.4	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	>100	*****	*****	%EFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****			2/Year	COMPOS
	AL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Req E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3	0.5			3/Week	GRAB
	QL	*****	*****		*****	01MOAV	01DAMX				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	36.1	38.7	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 07/01/2017 - 07/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2017 To 07/31/2017
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 07/01/2017 - 07/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	132.0	142.6	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	502	506	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.8	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.4	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	36.0	38.6	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158	*****	*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 07/01/2017 - 07/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2017 To 07/31/2017
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 07/01/2017 - 07/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0093	0.0093	MGD	*****	*****	*****	*****	0	1 Batch	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Batch	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	6.5	*****	6.8	SU	0	1 Batch	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Batch	GRAB
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	14	21	MG/L	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	100 01DAMX			1/Batch	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	26.6	27.4	DEG.C	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	43.3 01DAMX			1/Batch	GRAB
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15 01DAMX			1/Batch	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	6	7	MG/L	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			1/Batch	GRAB
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 07/01/2017 - 07/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2017 To 07/31/2017
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 07/01/2017 - 07/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0697	0.0697	MGD	*****	*****	*****	*****	0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Month	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.8	*****	7.8	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	*****	*****	*****	10	10	*****	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	*****	*****	*****	*****	<1	<1	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Waste Characterization Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 02/01/2017 - 07/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2017 To 07/31/2017
Monitored Location: 048C SW Outfall 48C
Monitored Location Group: N/A
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Waste Characterization Report

PI: 46814

Shell Generation Date: 1/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 02/01/2017 - 07/31/2017

Sample Date: (mm/dd/yyyy) 07/12/2017

Waste Characterization Data:				
Parameter	Reported Value	Units	Remark Code	Sample Type
Sulfate, Total (as SO ₄) 00945 1 Effluent Gross Value	1230000	UG/L	S Laboratory test	GRAB
Boron, Total (as B) 01022 1 Effluent Gross Value	420	UG/L	S Laboratory test	GRAB
Dichlorobromomethane 32101 1 Effluent Gross Value	13.2	UG/L	S Laboratory test	GRAB
Bromoform 32104 1 Effluent Gross Value	9.7	UG/L	S Laboratory test	GRAB
Chloroform 32106 1 Effluent Gross Value	55.1	UG/L	S Laboratory test	GRAB
Acrylonitrile 34215 1 Effluent Gross Value	<4.0	UG/L	analyzed for but not detected	GRAB
Chlorodibromomethane 34306 1 Effluent Gross Value	12	UG/L	S Laboratory test	GRAB
Lab Certification # 99999 99 Lab	PA051			NOT AP
Lab Certification # 99999 99 Lab	06003			NOT AP
Lab Certification # 99999 99 Lab	17327			NOT AP
Lab Certification # 99999 99 Lab	NY158			NOT AP
Lab Certification # 99999 99 Lab				NOT AP



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 08/01/2017 - 08/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2017 To 08/31/2017
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 08/01/2017 - 08/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/influent	Sample Measurement	*****	*****	*****	*****	27.2	28.5	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	34.8	36.2	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	7.7	7.7	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 08/01/2017 - 08/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2017 To 08/31/2017
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 08/01/2017 - 08/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	27.2	28.5	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	35.0	36.4	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	7.8	7.9	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003		PA051	NY158			0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 08/01/2017 - 08/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2017 To 08/31/2017
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 08/01/2017 - 08/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2855	2856	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	3024	REPORT		*****	*****	*****				
	Requirement	01MOAV	01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	14482	14577	MBTU/HR	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT	30600		*****	*****	*****				
	Requirement	01MOAV	01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003		PA051	NY158			0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 08/01/2017 - 08/31/2017

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

NJPDES Permit Number: NJ0005622

Monitoring Period: 08/01/2017 To 08/31/2017

Monitored Location: 048C SW Outfall 48C

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 08/01/2017 - 08/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.2917	0.4432	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****			1/Day	CALCTD
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	8	8	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	30 01MOAV	100 01DAMX				
	QL	*****	*****		*****	*****	*****			2/Month	COMPOS
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	6	7	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	35 01MOAV	70 01DAMX				
	QL	*****	*****		*****	*****	*****			2/Month	COMPOS
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	2 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX				
	QL	*****	*****		*****	*****	*****			2/Month	GRAB
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	6	6	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX				
	QL	*****	*****		*****	*****	*****			2/Month	COMPOS
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****			Not Applic	NOT AP



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 08/01/2017 - 08/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2017 To 08/31/2017
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 7/1/2017

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 08/01/2017 - 08/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	509	509	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	Requirement	*****	*****		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.5	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	Requirement	*****	*****		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	Requirement	*****	*****		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	Requirement	*****	*****		*****	*****	*****				
	AL	*****	*****		60	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	Requirement	*****	*****		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	Requirement	*****	*****		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	34.7	36.6	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	Requirement	*****	*****		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158	*****	*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	Requirement	*****	*****		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 08/01/2017 - 08/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2017 To 08/31/2017
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 08/01/2017 - 08/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, in Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	481	482	MGD	****	****	****	****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		****	****	****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	****	7.5	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		8.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	****	7.7	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Stat're 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	****	*****	35.0	36.0	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 08/01/2017 - 08/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2017 To 08/31/2017
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 08/01/2017 - 08/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	487	487	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	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required E=N Not Required			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 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	34.8	36.7	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 08/01/2017 - 08/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2017 To 08/31/2017
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 08/01/2017 - 08/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	509	512	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.5	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN 50	*****	*****				
	AL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 2 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	35.1	37.0	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 08/01/2017 - 08/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2017 To 08/31/2017
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

DSN 485A sampling for pH effluent gross value and CPOX options 1&2 not performed for the time period from 8/28/2017 thru 8/31/2017 due to sample standpipe isolation for plant maintenance.

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 08/01/2017 - 08/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	495	495	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.5	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	35.0	37.0	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection
Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 08/01/2017 - 08/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2017 To 08/31/2017
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 7/1/2017

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 08/01/2017 - 08/31/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sewinfluent	Sample Measurement	125.0	131.0	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	500	502	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	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			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 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, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	34.9	36.8	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051	NY158		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 08/01/2017 - 08/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2017 To 08/31/2017
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pt: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 08/01/2017 - 08/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0090	0.0090	MGD	****	****	****	****	0	1 Batch	CALCTD
	Permit Requirement	REPORT	REPORT		****	****	****				
	QL	01MOAV	01DAMX		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	****	6.4	*****	6.4	SU	0	1 Batch	GRAB
	Permit Requirement	*****	*****		6.0	*****	9.0				
	QL	*****	*****		01DAMN	*****	01DAMX				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	****	*****	9	9	MG/L	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT	100				
	QL	*****	*****		*****	01MOAV	01DAMX				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	****	*****	24.1	24.1	DEG.C	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT	43.3				
	QL	*****	*****		*****	01MOAV	01DAMX				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	****	*****	<5	<5	MG/L	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT	15				
	QL	*****	*****		*****	01MOAV	01DAMX				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	****	*****	7	7	MG/L	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT	50				
	QL	*****	*****		*****	01MOAV	01DAMX				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	****	PA051	NY158		****	0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	QL	Lab #	Lab #		Lab #	Lab #	Lab #				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 08/01/2017 - 08/31/2017

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

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2017 To 08/31/2017
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)984-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 08/01/2017 - 08/31/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0379	0.0379	MGD	****	****	****	****	0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		****	****	****			1/Month	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	****	7.6	*****	7.6	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	*****	*****	****	14	14	*****	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	*****	*****	****	*****	6	6	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003		PA051	NY158			0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				