CERTIFIED MAIL RETURN RECEIPT REQUESTED ARTICLE NUMBER: 7015 1730 0001 1594 6547

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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 June 2018. 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 Michael Brummitt (856) 339-2097.

Sincerely,

Charles V. Mcfeaters Site Vice President – Salem

Attachment (12 DMR's)

IEZS NRR

C Executive Director, DRBC

EXPLANATION OF CONDITIONS

June 2018

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

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

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

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

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

DSN outfall 485A was unavailable for sampling due to standpipe maintenance from June 5,2018 thru the end of the reporting period.

ATTACHMENT: None

EXPLANATION OF EXCEEDANCES

June 2018

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

EXPLANATION None

COUNTY OF SALEM STATE OF NEW JERSEY

I, Charles V. Mcfeaters, of full age, being duly sworn according to law, upon my oath depose and say:

- 1. I am the Site Vice President Salem for PSEG Nuclear, and as such am authorized to sign Salem's Discharge Monitoring Reports submitted to the New Jersey Department of Environmental Protection pursuant to the Station's New Jersey Pollutant Discharge Elimination System permit.
- 2. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.
- 3. The signature on the attached Discharge Monitoring Reports is my signature.

Charles V. Mcfeaters Site Vice President – Salem



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 06/01/2018 - 06/30/2018

Permittee: **PSE&G NUCLEAR LLC 80 PARK PLAZA**

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION ALLOWAY CREEK NECK RD

Report Recipient: PSEG NUCLEAR LLC PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number:	NJ0005622
Monitoring Period:	06/01/2018 To 06
Monitored Location:	FACA SW Outfall
Monitored Location Group:	
Region / County:	Southern / Salem

J0005622 6/01/2018 To 06/30/2018 ACA SW Outfall FACA

Check if Applicable:

No Discharge This Monitoring Period

Monitoring Report Comments:



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 06/01/2018 - 06/30/2018

Parameter	1. 1. 1. 1.	Quantity or	Loading	Units	Quali	ty or Concent	ration	Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC	Sample Measurement				*****	24.5	27.0		0	Continuous	CONTIN
00010 G Raw Sew/influent	Permit Requirement	*****	11111		** * **	REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	CONTIN
Temperature,	QL Sample	*****	*1***		*****	32.3	35.0				CONTIN
oC 00010 1 Effluent Gross Value	Measurement Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX	DEG.C	0	Continuous Continuous	CONTIN
Temperature, oC	QL Sample Measurement	11111	171171		*****	7.8	9.0		0	1 Day	CALCTD
00010 2 Effluent Net Value	Permit Requirement	*****	*****		****	REPORT 01MOAV	15.3 01DAMX	DEG.C		1/Day	CALCTD
ab Certification #	QL Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
9999 99 ab	Permit Requirement QL	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 06/01/2018 - 06/30/2018

Report Recipient:

PO BOX 236/N21

PSEG NUCLEAR LLC

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

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number:	NJ0005622
Monitoring Period:	06/01/2018 To 06
Monitored Location:	FACB SW Outfall
Monitored Location Group:	
Region / County:	Southern / Salem

J0005622 6/01/2018 To 06/30/2018 ACB SW Outfall FACB

Check if Applicable: No Discharge This Monitoring Period

Monitoring Report Comments:



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 06/01/2018 - 06/30/2018

Parameter		Quantity or	Loading	Units	Quali	ty or Concent	ration	Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC	Sample Measurement				*****	24.5	27.0		0	Continuous	CONTIN
00010 G Raw Sew/influent	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	CONTIN
Temperature, oC	QL Sample Measurement					32.8	35.6		0	Continuous	CONTIN
00010 1 Effluent Gross Value	Permit Requirement	*****			*****	REPORT 01MOAV	46.1 01DAMX	DEG.C	0	Continuous	CONTIN
Temperature, oC	QL Sample Measurement		*****		*****	8.4	10.0		0	1 Day	CALCTD
00010 2 Effluent Net Value	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX	DEG.C	Ū	1/Day	CALCTD
ab Certification #	QL Sample Measurement	PA051	06003		17327	11111	*****		0	Not Applic	NOT AP
99999 99 ab	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		3	Not Applic	NOT AP
	QL	*****	*****		******	******	******				



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 06/01/2018 - 06/30/2018

Report Recipient:

PSEG NUCLEAR LLC

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

PO BOX 236/N21 HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number:	NJ0005622
Monitoring Period:	06/01/2018 To 06
Monitored Location:	FACC SW Outfall
Monitored Location Group:	
Region / County:	Southern / Salem

J0005622 6/01/2018 To 06/30/2018 ACC SW Outfall FACC

Check if Applicable:

No Discharge This Monitoring Period

Monitoring Report Comments:



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 06/01/2018 - 06/30/2018

Parameter		Quantity or	Loading	Units	Quali	ty or Concent	ration	Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	2724	2856			*****			0	1 Day	CALCTD
50050 G Raw Sew/influent	Permit Requirement QL	3024 01MOAV	REPORT 01DAMX	MGD	*****	*****	*****			1/Day	CALCTD
Thermal Discharge Million BTUs per Hr	Sample Measurement	14354	14644		*****	*****	11111		0	1 Day	CALCTD
00015 2 Effluent Net Value	Permit Requirement QL	REPORT 01MOAV	30600 01DAMX	MBTU/HR	*****	*****	*****			1/Day	CALCTD
ab Certification #	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
99999 99 .ab	Permit Requirement OL	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 06/01/2018 - 06/30/2018

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

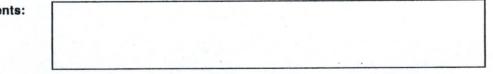
Report Recipient: PSEG NUCLEAR LLC PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number:	NJ0005622
Monitoring Period:	06/01/2018 To 06/30/2018
Monitored Location:	048C SW Outfall 48C
Monitored Location Group:	
Region / County:	Southern / Salem

Check if Applicable: I No Discharge This Monitoring Period

Monitoring Report Comments:





PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 06/01/2018 - 06/30/2018

Parameter		Quantity or	Loading	Units	Quali	ty or Concent	ration	Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	0.3130	0.4985		****	*****	*****		0	1 Day	CALCTD
50050 1 Effluent Gross Value	Permit Requirement OL	REPORT 01MOAV	REPORT 01DAMX	MGD	1111	*****	*****			1/Day	CALCTD
Solids, Total Suspended	Sample Measurement	*****	*****			13	17		0	2 Month	COMPOS
00530 1 Effluent Gross Value	Permit Requirement OI	*****	11111			30 01MOAV	100 01DAMX	MG/L		2/Month	COMPOS
Nitrogen, Ammonia Fotal (as N)	Sample Measurement	*****	*****		*****	18	24		0	2 Month	COMPOS
00610 1 Effluent Gross Value	Permit Requirement OL		*****		*****	35 01MOAV	70 01DAMX	MG/L		2/Month	COMPOS
Petroleum Hydrocarbons	Sample Measurement	*****				<5	<5		0	2 Month	GRAB
00551 1 Effluent Gross Value	Permit Requirement QL	*****	*****		*****	10 01MOAV	15 01DAMX	MG/L		2/Month	GRAB
Carbon, Tot Organic TOC)	Sample Measurement	4****	*****		****	8	11		0	2 Month	COMPOS
0680 1 ffluent Gross Value	Permit Requirement	*****	****	*****	*****	REPORT 01MOAV	50 01DAMX	MG/L		2/Month	COMPOS
ab Certification #	QL Sample	PA051	06003		17327	*****	******				NOT AP
9999 99	Measurement Permit	REPORT	REPORT		REPORT	REPORT	REPORT		0	Not Applic	1.5
_ab	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #	-		Not Applic	NOT AP



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 06/01/2018 - 06/30/2018

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:	06/01/2018 T
Monitored Location:	481A SW Ou
Monitored Location Group:	
Region / County:	Southern / Sa

To 06/30/2018 tfall 481A

alem

Check if Applicable: No Discharge This Monitoring Period

Monitoring Report Comments:

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PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 06/01/2018 - 06/30/2018

Parameter		Quantity or	Loading	Units	Qualit	y or Concent	ration	Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	509	510						0	1 Day	CALCTD
50050 1 Effluent Gross Value	Permit Requirement QL	REPORT 01MOAV	REPORT 01DAMX	MGD	H111	4114 4111	11111			1/Day	GALGTE
Н	Sample Measurement	11112	*****		7.3		7.4		0	1 Week	GRAB
00400 1 Effluent Gross Value	Permit Requirement	****	iter State	*****	6.0 01DAMN		9.0 01DAMX	su		1/Wesk	GRAB
Н	QL Sample Measurement	100000 20102	*****		7.0	31113	7.8		0	1 Week	GRAB
00400 7 ntake From Stream	Permit Requirement	11811	tette	(i::1	REPORT 01DAMN		REPORT 01DAMX	SU	U Dates	1/Week	GRAB
C50 Statre 96hr Acu Cyprinodon	Sample Measurement			GOD	E=N Not Reg	••••••	11111		0	2 Year	COMPOS
AN6A 1 Effluent Gross Value	Permit Requirement AL		*****	*****	REPORT 01DAMN 50	freise foreite	*****	%EFFL	delet.	2/Year	COMPO
Chlorine Produced Dxidants	Sample Measurement	41111	*****		500 11111 COD			liked	0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement				11111	0.3 01MOAV	0.5 01DAMX	MG/L		3/Week	GRAB
Chlorine Produced	QL Sample	eriter Hitte	eniini heest		min Hult	•••••• <0.1	****** <0.1			3	
Oxidants CPOX 1	Measurement Permil	ettir	34114		TINE	REPORT	0.2	MG/L	0	Week	GRAB
Effluent Gross Value	Requirement QL	177711				01MOAV	01DAMX			3/Week	GRAB
emperalure, C	Sample Measurement					32.7	36.4		0	1 Day	CONTIN
0010 1 ffluent Gross Value	Permit Reguirement		11375			REPORT 01MOAV	REPORT 01DAMX	DEG.C		1/Day	CONTIN
ab Certification #	QL Sample	PA051	06003		17327	fort	A Print				
9999 99	Measurement Permit	REPORT	REPORT		REPORT	REPORT	REPORT		0	Not Applic	NOT AP
ab	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #			Not Applic	NOT AP



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 06/01/2018 - 06/30/2018

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:	06/01/2018 To 06/30/2018
Monitored Location:	482A SW Outfall 482A
Monitored Location Group:	
Region / County:	Southern / Salem

I No Discharge This Monitoring Period **Check if Applicable:**

Monitoring Report Commen

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PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 06/01/2018 - 06/30/2018

Parameter		Quantity or	Quantity or Loading		Qualit	ty or Concen	tration	Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or	Sample	442	482		3	1411		200 10 10		1	041.070
Thru Treatment Plant	Measurement Permit	REPORT	REPORT	MGD	fint and the second	*****		-	0	Day	CALCTO
Effluent Gross Value	Requirement	01MOAV	01DAMX	MOD						1/Day	GALCTE
1	QL		*****		111111	Miles -	antie staars				
H	Sample	· · · · · · · · · · · · · · · · · · ·			7.3	*****	7.4			1	
00400 1	Measurement Permit	*****	*****		6.0	*****	9.0	SU	0	Week	GRAB
Effluent Gross Value	Requirement				01DAMN		01DAMX	50		1/Week	GRAB
	QL		******		*****	******	******				
H	Sample	11.11	****		7.0	min it.	7.8	Superior and	1	1	
00400 7	Measurement	+++14-1000			DEDODT	+#1++	DERCOZ		0	Week	GRAB
Intake From Stream	Permit Requirement	and a state	And the second		REPORT 01DAMN	1111	REPORT 01DAMX	SU	C C Cart	1/Week	GRAB
	QL	1	4.they	The second second	STORINIY.	State State	STUAMA			TITER	ei iid
C50 Statre 96hr Acu	Sample	*****	11/11				11474			2	
Cyprinodon	Measurement	*****			E=N Not Req	Jired	100	-	0	Week	COMPO
FAN6A 1 Effluent Gross Value	Permil Requirement			trut	REPORT 01DAMN		1111	%EFFL		2/Year	COMPO
	AL	111118	*****		50	*****		T AND DESCRIPTION		E71 Bal	- CUINI-U
Chlorine Produced	Sample	1000						See State		3	
Oxidants	Measurement				COD	E=N Not Rec	E=N Not Re	quired	0	Week	GRAB
CPOX 1	Permit	erter.	*****	tares .	1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.9	0.5	MG/L	a sense of the sense		
Effluent Gross Value	Requirement					01MOAV	01DAMX		A Real of Long	3/Week	GRAB
1	QL	*****	*****		*****	******					
Chlorine Produced	Sample	*****	81118		1111	<0.1	<0.1			3	
Oxidants CPOX 1	Measurement Permil			tistt	*****	REPORT	0.2	MG/L	0	Week	GRAB
Effluent Gross Value	Requirement		A CARLEND	1.2.2	AND STATE	DIMOAV	01DAMX	MOL		3/Week	GRAB
2	CL	1.000.0		Chi Chi Chi	A				4	OFFICER.	GRAD
l'emperature,	Sample		*****		****	32.2	36.4			1	
C	Measurement			f fairstor					0	Day	CONTIN
0010 1	Permit	*****	titet .	- Anterio	1	REPORT	REPORT	DEG.C			
Effluent Gross Value	Requirement					Q1MOAV	OIDAMX	Later St.		1/Day	GONTIN
	QL	. isinit	****		min		A				
ab Certification #	Sample	PA051	06003		17327			Sale of Berlins	E Relation		
0000 00	Measurement		-						0	Not Applic	NOT AP
99999 99 .ab	Permit	REPORT	REPORT	1000	REPORT	REPORT	REPORT	Starting Start	1.1.1		NOT
au	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #			Not Applic	NOT AF



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 06/01/2018 - 06/30/2018

Permittee: PSE&G NUCLEAR LLC **80 PARK PLAZA**

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION ALLOWAY CREEK NECK RD

Report Recipient: PSEG NUCLEAR LLC PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number:	NJ0005622
Monitoring Period:	06/01/2018 To 06/30/2
Monitored Location:	483A SW Outfall 483A
Monitored Location Group:	
Region / County:	Southern / Salem

2018

Check if Applicable: No Discharge This Monitoring Period

Monitoring Report Comments:



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 06/01/2018 - 06/30/2018

Parameter		Quantity or Loading		Units	Quali	ty or Concen	tration	Units	No Ex.	Frequency of Analysis	
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	474	487		1111	1111	Hitt		0	1 Day	CALCTD
50050 1 Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD	HIN A SANGAR	*****	8++8+ 3+1+84	1111		1/Day	GALOTD
рН	Sample Measurement	****	*****		7.2	\$1511	7.5		0	1 Week	GRAB
00400 1 Effluent Gross Value	Permit Requirement		*****		6.0 01DAMN		9.0 01DAMX	SU		1/Week	GRAB
pH	QL Sample Measurement	11111	*****		7.0	10110	7.8		0	1 Week	GRAB
00400 7 Intake From Stream	Permit Requirement	1111			REPORT 01DAMN	1111	REPORT 01DAMX	SU		1/Week	GRAB
Chlorine Produced Oxidants	Sample Measurement	10+11	*****		liiiii COI	E=N Not Rec			0	3 Week	GRAB
*CPOX 1 Effluent Gross Value 1	Permit Requirement	1****		****	*****	0.3 01MOAV	0.5 01DAMX	MG/L		3/Week	GRAB
Chlorine Produced Oxidants	Sample Measurement	1 1111	*11/1		i titt	<0.1	<0.1		0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement	1:411	+++++ *****	*****	11111	REPORT D1MOAV	0.2 01DAMX	MG/L		3/Week	GRAB
2 Temperature, pC	QL Sample	*****	titite		*****	32.0	35.5			1	
00010 1 Effluent Gross Value	Measurement Permit Regul/rement	*****	*****	hriten	41140 	REPORT 01MOAV	REPORT 01DAMX	DEG.C	0	Day 1/Day	CONTIN
ab Certification #	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
99999 99 ab	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT		0	Nat Applic	NOT AP
	GL	Lau #	LBD #		Lau #	LUD #	LaD #			TAN WEARING	MOT AP



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 06/01/2018 - 06/30/2018

Permittee: PSE&G NUCLEAR LLC 80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity: PSEG NUCLEAR LLC SALEM GENERATING STATION ALLOWAY CREEK NECK RD

PSEG NUCLEAR LLC PO BOX 236/N21

Report Recipient:

HANCOCKS BRIDGE, NJ 08038

HANCOCKS BRIDGE, NJ 08038

NJ0005622
06/01/2018 To 06/30/2018
484A SW Outfall 484A
Southern / Salem

Check if Applicable: I No Discharge This Monitoring Period

Monitoring Report Comments:



Shell Generation Date: 4/1/2018

PI: 46814

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 06/01/2018 - 06/30/2018

Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value 5H 00400 1 Effluent Gross Value 5H 00400 7 ntake From Stream 2050 Statre 96hr Acu 20prinodon	Sample Measurement Parmil Requirement QL Sample Measurement QL Sample Measurement Permit	509 REPORT DIMOAY etters etters	509 REPORT 01DAMX TTTTS TTTTS TTTTS	MGD	7.3	11111 11111 111111 11111	etase alafa etapes		0	1 Day 1/Day	CALCTD
Effluent Gross Value DH D0400 1 Effluent Gross Value DH D0400 7 Intake From Stream LC50 Statre 96hr Acu	Regultement QL Sample Measurement Permit Regultement QL Sample Measurement	01MOAV	01DAMX		etsite.	******		P8445		1/Day	
00400 1 Effluent Gross Value 0H 00400 7 ntake From Stream .C50 Statre 96hr Acu	Sample Measurement Permit Requirement QL Sample Measurement	iteit a	*****	-			And the second second second		To PER AVAILABLE TO PERMIT	1/1/49	GALGTD
Effluent Gross Value H 10400 7 Intake From Stream IC50 Statre 96hr Acu	Requirement QL Sample Measurement	111111	Letter of				7.5		0	1 Week	GRAB
0400 7 ntake From Stream .C50 Statre 96hr Acu	Sample Measurement	Construction Conversion Contraction			6.0 01DAMN	*****	9.0 01DAMX	SU		1/Week	GRAB
ntake From Stream .C50 Statre 96hr Acu	Permit		hin		7.0	MIN	7.8		0	1 Week	GRAB
Party and the second	Réquirement	11111	*****	11171 11171	REPORT 01DAMN	*****	REPORT 01DAMX	SU		1/Week	GRAB
	Sample Measurement	41.849	nin		E=N Not Requ	ired balance	\$****		0	2 Year	COMPOS
AN6A 1 Effluent Gross Value	Permil Requirement AL	*****		11111	REPORT 01DAMN 50	*****		%EFFL		2/Year	COMPO
Chlorine Produced Dxidants	Sample Measurement	Arren and	1111		COD	E=N Not Req	E=N Not Red	beiu	0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement		1111	tree a		0.3 01MOAV	0.5 01DAMX	MG/L		8/Week	GRAB
Chlorine Produced	QL Sample Measurement	min	entre Frite	1000	nin	<0.1	<0.1		0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement OL	12+++		tint	eette breette	REPORT 01MOAV	0.2 01DAMX	MG/L	U	3/Week	GRAB
femperature, bC	Sample Measurement	riir.			*****	32.5	35.9		0	1 Day	CONTIN
0010 1 Iffluent Gross Value	Permit Requirement OL	1994) 1994)	nitt Hirtt	Jensi.	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		1/Day_	CONTIN
ab Certification #	QL Sample Measurement	PA051	06003		17327	hint			0	Not Applic	NOT AP
9999 99 ab	Permit Requirement	REPORT	REPORT		REPORT Lab #	REPORT	REPORT		U		NOT AP



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 06/01/2018 - 06/30/2018

Permittee: **PSE&G NUCLEAR LLC 80 PARK PLAZA**

NEWARK, NJ 07101

Location of Activity: PSEG NUCLEAR LLC SALEM GENERATING STATION ALLOWAY CREEK NECK RD

Report Recipient: PSEG NUCLEAR LLC PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622 **Monitoring Period:** Monitored Location: 485A SW Outfall 485A **Monitored Location Group: Region / County:**

06/01/2018 To 06/30/2018

Southern / Salem

Check if Applicable: No Discharge This Monitoring Period

Monitoring Report Comments:

DSN outfall 485A was unavailable for sampling due to standpipe maintenance from June 5,2018 thru the end of the reporting period. Samples for CPO were obtained on 6/1 &6/4. Samples for pH were obtained on 6/4



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 06/01/2018 - 06/30/2018

Parameter		Quantity or Loading		Units	Quali	ty or Concent	ration	Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or	Sample	458	495	Sector 1	11111	81418	*1841			1	
Thru Treatment Plant	Measurement	REPORT	REPORT	MGD	16469	51111	19511	31.11	0	Day	CALCTD
Effluent Gross Value	Permit Requirement	01MOAV	01DAMX	MGD.						1/Day	CALCTD
	QL	281458	*****		114111	811785				(124)	- Circo Io
рΗ	Sample		*11+4		7.4	*****	7.4			1	
	Measurement								0	Week	GRAB
00400 1 Effluent Gross Value	Permit Regulrement	11111	****		6.0 D1DAMN	644514	9.0 01DAMX	SU -		1/Week	GRAB
Linuent Gross value	QL		*****			*******	UTUAMA			I/YYEEK	GRAD
Ы	Sample	mail	200 St 1101		7.0	1	7.8			. 1	
	Measurement								0	Week	GRAB
00400 7	Permit		*1678	*****	REPORT	ALL	REPORT	SU			
ntake From Stream	Requirement	111111	*****		01DAMN	Statistic and a statistic	01DAMX	Constanting and the second s		1/Wesk	GRAB
C50 Statre 96hr Acu	Sample	17711	ana				10.00			2	
Cyprinodon	Measurement			COD	E=N Not Req			2752 (B) (B)	0	Year	COMPOS
AN6A 1	Permit	12012	*****] = mu - [REPORT	*****	****	%EFFL			
Effluent Gross Value	Requirement AL	Annual Travers and		F CONTRACTOR	01DAMN 50		100 100 100 100 100 100 100 100 100 100	- Jungal States		2/Year	COMROS
Chlorine Produced	Sample		*****		1111					3	
Dxidants	Measurement			1.4665		E=N Not Req	E=N Not Re	quired	0	Week	GRAB
CPOX 1	Parmit	· · · · · · ·	*11.46	14713	11-01	0.3	0.5	MG/L			
Effluent Gross Value	Requirement	ALC: LARKE STREET	and the second se			DIMOAV	01DAMX			3/Week	GRAB
	aL	*****	4.00.0	Carlou Di	*1011	ALCON .	\$123.15				
Chlorine Produced	Sample	ereis	*****		first.	<0.1	<0.1			3	
Dxidants	Measurement	Applanetti			Lose Filmers				0	Week	GRAB
CPOX 1	Permit	*****	*****	14415		REPORT	0.2	MG/L			
Effluent Gross Value	Requirement	e diarder de la desta de la				DIMOAV	DIDAMX			S/Week	GRAB
1	QL	11411			41-11	20.0 7111	New York Contraction of the second				
emperature, C	Sample Measurement	1111	1114		22213	33.2	37.2		0	1 Day	CONTIN
0010 1	Permit	sarra .		-	11111	REPORT	REPORT	DEG.C	0	Day	CONTIN
Effluent Gross Value	Requirement					01MOAV	OIDAMX	DEDIO		1/Day	CONTIN
Choose value	QL	ensin				TITLE	111/ANIA 11****			irea)	Joint Rt
ab Certification #	Sample	PA051	06003		17327			Constant of the			
	Measurement								0	Not Applic	NOT AP
9999 99	Permit	REPORT	REPORT	The second	REPORT	REPORT	REPORT			State of the second sec	
ab	Requirement	Lab#	Lab#	and the second second	Lab #	Lab #	Lab #		(m) Services	Not Applic	NOT AP
	QL	111111			*****	statute	auerah.				



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 06/01/2018 - 06/30/2018

Permittee: **PSE&G NUCLEAR LLC 80 PARK PLAZA**

NEWARK, NJ 07101

NURDER P. U.V.

Location of Activity: PSEG NUCLEAR LLC SALEM GENERATING STATION ALLOWAY CREEK NECK RD

Report Recipient: PSEG NUCLEAR LLC PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

HANCOCKS BRIDGE, NJ 08038

NJ0005622
06/01/2018 To 06/30/2018
486A SW Outfall 486A
Southern / Salem

Check if Applicable: No Discharge This Monitoring Period

Monitoring Report Comments:



Shell Generation Date: 4/1/2018

PI: 46814

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 06/01/2018 - 06/30/2018

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	125.2	127.1			1011	erate The second second		0	1 Day	CALCTD
0050 G law Sew/influent	Permil Requirement QL	REPORT B1MOAV	REPORT 01DAMX	MGD	ASSER.	Anni Hurri	817845 51789	1.111		1/Day	GALOTE
low, In Conduit or hru Treatment Plant	Sample Measurement	458	500			****	11111 14		0	1 Day	CALCTD
0050 1 Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD	11111	4111	*****	Salara (Salara)		1/Day	CALOTE
Н	Sample Measurement	me	* 10-5		7.3		7.5		0	1 Week	GRAB
0400 1 Effluent Gross Value	Permit Requirement	17717	18118. 	The Start Con	6,0 01DAMN	1111	9.0 01DAMX	SU		1/Week	GRAB
н	Sample Measurement		***		7.0	11111 11111	7.8		0	1 Week	GRAB
0400 7 htake From Stream	Permil Requirement		Title Title		REPORT	ANTIS CONTRACTOR	REPORT 01DAMX	SU		1/Week	GRAB
Chlorine Produced	Sample Measurement	1000 Internet	ittii		im	E=N Not Reg		dired	0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement	+++++	****	atter		0.3 01MOAV	0.5 01DAMX	MG/L		3/Week	GRAB
hlorine Produced	OL Sample	nul.			******	<0.1	<0.1			3	GRAB
Dxidants CPOX 1 Iffluent Gross Value	Measurement Permil Requirement	inni	atter	mit	intia	REPORT	0.2 01DAMX	MG/L	0	Week 3/Week	GRAB
	QL	a irene	and fermer		inthe	UTMOAY 	UTDAMA			S/VYGER	GINAD
emperature, C	Sample Measurement	57841				32.8	37.5		0	1 Day	CONTIN
0010 1 ffluent Gross Value	Permit Réquirement QL	finfe rester	81975 	-	24124 22114	REPORT 01MOAV	REPORT 01DAMX	DEG.C		1/Day	CONTIN
ab Certification #	Sample Measurement	PA051	06003		17327		ALC: N		0	Not Applic	NOT AP
9999 99 ab	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	QL				annan	antere					



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 06/01/2018 - 06/30/2018

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:	06/01/2018 To 06/30/2018
Monitored Location:	487B SW Outfall 487B
Monitored Location Group:	
Region / County:	Southern / Salem

Check if Applicable: IV No Discharge This Monitoring Period

Monitoring Report Comments:





PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 06/01/2018 - 06/30/2018

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:	06/01/2018 To 06/30
Monitored Location:	489A SW Outfall 489
Monitored Location Group:	
Region / County:	Southern / Salem

0/2018 39A

I No Discharge This Monitoring Period **Check if Applicable:**

Monitoring Report Comments:



PI: 46814 Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 06/01/2018 - 06/30/2018

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	0.0456	0.0456		*****	*****	*****		0	1 Month	CALCTD
50050 1 Effluent Gross Value	Permit Requirement OL	REPORT 01MOAV	REPORT 01DAMX	MGD	*****	*****	****			1/Month	CALCTD
рΗ	Sample Measurement	*****			7.9		7.9		0	1 Month	GRAB
00400 1 Effluent Gross Value	Permit Requirement OI	*****	*****		6.0 01DAMN	*****	9.0 01DAMX	SU		1/Month	GRAB
Solids, Total Suspended	Sample Measurement				9	9			0	1 Month	GRAB
00530 1 Effluent Gross Value	30 1 Permit ***** ***** uent Gross Value Requirement	*****		100 01DAMX	30 01MOAV	*****	MG/L		1/Month	GRAB	
Petroleum Hydrocarbons	QL Sample Measurement	*****	*****		*****	<5	<5		0	1 Month	GRAB
00551 1 Effluent Gross Value	1 Permit ***** ***** nt Gross Value Requirement		*****	10 01MOAV	15 01DAMX	MG/L		1/Month	GRAB		
Carbon, Tot Organic TOC)	QL Sample Measurement	*****	*****			4	4		0	1 Month	GRAB
00680 1 Effluent Gross Value	Permit Requirement	****	*****			REPORT 01MOAV	50 01DAMX	MG/L		1/Month	GRAB
	QL	*****	******		*****	******	******				
ab Certification #	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
9999 99 .ab	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP