CERTIFIED MAIL RETURN RECEIPT REQUESTED ARTICLE NUMBER: 7015 1730 0001 1594 6783



Document Control Desk USNRC Docket Numbers 50-272&50-311 Washington, DC 20555

#### 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 May 2017. 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 Jenny Shelton (856) 339-1138.

Sincerely,

Charles V. Mcfeaters Site Vice President – Salem

Attachment (12 DMR's)

C Executive Director, DRBC

IE25 NRR

#### EXPLANATION OF CONDITIONS

#### May 2017

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.

The sample point for DSN 485 was out of service for the month of May 2017 until 5/18/2017, due to standpipe maintenance. Sample results included in this months DMR include data obtained as of 5/18/2017 and continuing on until the end of the month.

ATTACHMENT: None

#### EXPLANATION OF EXCEEDANCES

May 2017

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

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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 and I am submitting this affidavit in satisfaction of the requirement that my signature be notarized.

Charles V. Mcfeaters Site Vice President – Salem



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

Surface Water Discharge Monitoring Report

## PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 05/01/2017 - 05/31/2017

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



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

## Surface Water Discharge Monitoring Report

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#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 05/01/2017 - 05/31/2017

Parameter		Quantity or Lo		Loading Units		Quality or Concentration			No Ex.	Frequency of Analysis	Sample Type
Temperature,	Sample Measurement	*****	*****		****	18,2	20.2		0	Continuous	CONTIN
00010 G Raw Sew/influent	Permit Requirement QL	*****	***** ******	*****	4+244 	REPORT 01MOAV *****	REPORT 01DAMX	DEG.C		Continuous	CONTIN
femperature, oC	Sample Measurement		*****		*****	26.3	29.8		0	Continuous	CONTIN
00010 1 Effluent Gross Value	Permit Requirement QL	****	+++*	1*****	*****	REPORT 01MOAV	43.3 01DAMX	DEG.C		Continuous	CONTIN
Femperature,	Sample Measurement	*****	****		*****	8.0	9.6		0	1 Day	CALCTD
00010 2 Effluent Net Value	Permit Réquirement QL	****	*****	utara.	*****	REPORT 01MOAV	15.3 01DAMX	DEG.C		1/Day	CALCTD
ab Certification #	Sample Measurement	17327	PA010		06003					Not Applic	NOT AP
9999 99 .ab	Permit Requirement QL	REPORT Lab#	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT			Not Applic	NOT AP



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

Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 05/01/2017 - 05/31/2017

Permittee: PSE&G NUCLEAR LLC 80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity: PSEG NUCLEAR LLC SALEM GENERATING STATION ALLOWAY CREEK NECK RD Report Recipient: PSEG NUCLEAR LLC PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number:	NJ0005622
Monitoring Period:	05/01/2017 To 05/31/2017
Monitored Location:	FACB SW Outfall FACB
Monitored Location Group:	
Region / County:	Southern / Salem

Check if Applicable:	🗔 No Discharge This I	Monitoring Period
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**Monitoring Report Comments:** 



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

Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 05/01/2017 - 05/31/2017

Parameter		Quantity or Loading		Units Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type	
Temperature, pC	Sample Measurement	*****	84444			18.2	20.2		0	Continuous	CONTIN
00010 G Raw Sew/influent	Permit Requirement QL	+ *****	******	*****	****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	CONTIN
Гетрегаture, оС	Sample Measurement	*****	++++		*****	19.4	23.5		0	Continuous	CONTIN
00010 1 Effluent Gross Value	Permit Requirement QL	*****	****	*****	*****	REPORT 01MOAV	43.3 01DAMX	DEG.C		Continuous	CONTIN
emperature,	Sample Measurement	*****	*****		\$1845	1.2	3.3		0	1 Day	CALCTD
00010 2 Effluent Net Value	Permit Requirement QL	*****	* 1+ 8+	*****	*****	REPORT 01MOAV	15.3 01DAMX	DEG.C		1/Day	CALCTD
ab Certification #	Sample Measurement	17327	PA010		06003					Not Applic	NOT AP
99999 99 .ab	Permit Requirement QL	REPORT Lab #	REPORT Lab#		REPORT Lab#	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP



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

Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 05/01/2017 - 05/31/2017

<u>Permittee:</u> 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:	05/01/2017 To 05/31/2017
Monitored Location:	FACC SW Outfall FACC
Monitored Location Group: Region / County:	Southern / Salem

Check if Applicable: INO Discharge This Monitoring Period

**Monitoring Report Comments:** 



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

### Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 05/01/2017 - 05/31/2017

Parameter		Quantity or Loading		Units	Units Quality or Concentration			Units		Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	1610	2608		***	*****	*****		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	7282	10112		*****	*****	*****		0	1 Day	CALCTE
00015 2 Effluent Net Value	Permit Requirement QL	REPORT 01MOAV	30600 01DAMX	MBTU/HR	***** ******	*****	*****	*****		1/Day	CALCTI
ab Certification #	Sample Measurement	17327	PA010		06003					Not Applic	NOT AF
9999 99 .ab	Permit Requirement QL	REPORT	REPORT Lab #		REPORT Lab #	REPORT	REPORT Lab #		<u></u>	Not Applic	NOT AF



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

Surface Water Discharge Monitoring Report

### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 05/01/2017 - 05/31/2017

<u>Permittee:</u> PSE&G NUCLEAR LLC 80 PARK PLAZA	i	
NEWARK, NJ 07101		
<u>Location of Activity:</u> PSEG NUCLEAR LLC SALEM G ALLOWAY CREEK NECK RD	SENERATING STATION	<u>Report Recipient:</u> PSEG NUCLEAR LLC PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038	3	HANCOCKS BRIDGE, NJ 08038
NJPDES Permit Number: Monitoring Period: Monitored Location: Monitored Location Group: Region / County:	NJ0005622 05/01/2017 To 05/31/2017 048C SW Outfall 48C Southern / Salem	
	Discharge This Monitoring Perioc	i
Monitoring Report Comm	ents:	



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## 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 - 048C SW Outfall 48C - 05/01/2017 - 05/31/2017

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample	0.2881	0.5563		*****	*****	****		0	1	CALCTD
	Measurement		REPORT	MGD	4+44*	****	****	8++8*	0	· Day	
60050 1 Effluent Gross Value	Permit	REPORT 01MOAV	01DAMX	MGD				1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		1/Day	CALCTD
muent Gross value	Requirement QL	4+++++	01DAWA	-	*****	****	*****			I/DBy	CALCID
olids, Total	Sample	*****	****		*****	6	6			2	
Suspended	Measurement					Ŷ	Ū		0	Month	COMPOS
0530 1	Permit	****	****	*****	*****	. 30	100	MG/L		- Montal	00111 00
Effluent Gross Value	Requirement					01MOAV	01DAMX			2/Month	COMPOS
	QL	*****	*****	-	*****	*****	*****			2.000	
litrogen, Ammonia	Sample	*****		1.000-000	****	14	17	le britanes (		· 2	
otal (as N)	Measurement	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Beering St. 19	1.					0	Month	COMPOS
0610 1	Permit	*****	*****		****	35	70	MG/L			
Effluent Gross Value	Requirement					01MOAV	01DAMX	1.		2/Month	COMPOS
	QL	*****	******		*****	****	******				
Petroleum	Sample	*****	****	1.12	*****	<2	<2			. 2	
lydrocarbons	Measurement								0	<ul> <li>Month</li> </ul>	GRAB
00551 1	Permit	*****	** ***	A 44 A 44	****	10	15	MG/L			
Effluent Gross Value	Requirement		1.			01MOAV	01DAMX			2/Month	GRAB
	QL	*****	*****		4++++	*****	*****		2.60		
Carbon, Tot Organic	Sample	*****	****		*****	14	24			2	
TOC)	Measurement			-				1947 A	0	, Month	COMPOS
0680 1	Permit	****	*****	*****	*****	REPORT	50	MG/L		10.00	
Effluent Gross Value	Requirement					01MOAV	01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	******	*****				1. P. 1. 1
ab Certification #	Sample	17327	PA010	12050 S. C. S.	06003						
	Measurement					1				Not Applic	NOT AP
9999 99	Permit	REPORT	REPORT		REPORT	REPORT	REPORT	-			
.ab	Requirement	Lab #	Lab #	1.1	Lab #	Lab#	Lab #	1.1	C	Not Applic	NOT AF
av	QL	LOD H	LaD #	-	Lau #	24++++		-		NOT Applic	NOTAL

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

Surface Water Discharge Monitoring Report

## PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 05/01/2017 - 05/31/2017

<u>Permittee:</u> PSE&G NUCLEAR LLC 80 PARK PLAZA			
NEWARK, NJ 07101	r		
Location of Activity: PSEG NUCLEAR LLC SALEM GENERA ALLOWAY CREEK NECK RD	FING STATION	<u>Report Recipient:</u> PSEG NUCLEAR LLC PO BOX 236/N21	
HANCOCKS BRIDGE, NJ 08038	. I	HANCOCKS BRIDGE, NJ 08038	
Monitored Location: 481A S Monitored Location Group:	622 017 To 05/31/2017 N Outfall 481A n / Salem		
Check if Applicable: In No Discharg	e This Monitoring Perio	bd	
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.

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Shell Generation Date: 4/1/2017

PI: 46814

#### Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 05/01/2017 - 05/31/2017

Parameter		Quantity or	Loading	Units	Quali	ty or Concenti	ration	Units	No Ex.	Frequency of Analysis	Sample Type
How, In Conduit or Thru Treatment Plant	Sample Measurement	489	501		41784		441.84		0	1 Day	CALCTD
0050 1 Iffluent Gross Value	Permit Requirement QL	REPORT 01MOAV	REPORT 01DAMX	MGD	*****	14144	14567 145573	*****		1/Day	CALCTU
н	Sample Measurement	*****	****		7.0	*****	7.7		0	1 Week	GRAB
0400 1 ffluent Gross Value	Permit Requirement	*****	*****		6.0 01DAMN	1411	9.0 01DAMX	່ຽປ		1/Week	GRAB
H	QL Sample	413244 Astra	*****		7.4		7.6	and the	0	1 Week	GRAB
00400 7 ntake From Stream	Measurement Permit Requirement	417.84	*****	****	REPORT 01DAMN	***** *****	REPORT 01DAMX	SŲ		1/Week	GRAB.
C50 Statre 96hr Acu Cyprinodon	QL Sample Measurement	****	*****		DE≍N NotReq	úlred.	63134		0	2 Year	COMPO
AN6A 1 Effluent Gross Value	Permit Reguirement AL	*****	41114 184144		REPORT 01DAMN 50		****	%EFFL		2/Year	COMPO
Chlorine Produced	Sample	*****	*****		*****					3	
Dxidants CPOX 1 Effluent Gross Value	Measurement Permit Requirement	****			*****	0E=N Not Req 0.3 01MOAV	E=N Not Red 0.5 01DAMX	MG/L	0	Week 3/Week	GRAB GRAB
Chlorine Produced	QL Sample	******	A444.1.0	-		<0.1	<0.1			3	GRAB
Dxidants CPOX 1	Measurement Permit	ednas	*****		44474	REPORT	0,2	MG/L	0	Week	GRAB
Effluent Gross Value	Requirement	******	****		1000 A	01MOAV	012 01DAMX	i Witare		3/Week	GRAB
emperature, C	Sample Measurement				*****	26.3	31.4		0	1 Day	CONTIN
0010 1 Iffluent Gross Value	Permit Requirement		*****		4.444	REPORT 01MOAV	REPORT 01DAMX	DEG.C		1/Day	CONTIN
ab Certification #	QL Sample	17327	PA010		06003		*****	40 A.			
99999 99	Measurement Permit	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AF
ab	Requirement	Lab#	Lab#		Lab#	Lab#	Lab #			Not Applic	NOT AF



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

Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 05/01/2017 - 05/31/2017

<u>Permittee:</u> PSE&G NUCLEAR LLC 80 PARK PLAZA	1 3 4	
NEWARK, NJ 07101		
Location of Activity: PSEG NUCLEAR LLC SALEM G ALLOWAY CREEK NECK RD	ENERATING STATION	<u>Report Recipient:</u> PSEG NUCLEAR LLC PO BOX 236/N21
HANCOCKS BRIDGE, NJ 08038	}	HANCOCKS BRIDGE, NJ 08038
NJPDES Permit Number: Monitoring Period: Monitored Location: Monitored Location Group: Region / County:	NJ0005622 05/01/2017 To 05/31/2017 482A SW Outfall 482A Southern / Salem	
Check if Applicable: 🗖 No	Discharge This Monitoring Period	t
Monitoring Report Comm	ents:	

#### PI: 46814



State of New Jersey
Department of Environmental Protection

Shell Generation Date: 4/1/2017

#### Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC\_SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 05/01/2017 - 05/31/2017

Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value pH 00400 1 Effluent Gross Value pH 00400 7	Sample Measurement Requirement QL Sample Measurement QL Sample Measurement Permit	462 REPORT 01MOAV	480 REPORT 01DAMX *****	MGD 	***** ***** 7.1 6.0	44444 44444 44444 44444	24444 244444 7.6	:	0	1 Day 1/Day 1 Week	CALCTD CALCTD GRAB
Effluent Gross Value DH D0400 1 Effluent Gross Value	Requirement QL Sample Measurement Permit Requirement QL Sample Measurement Permit	01MOAV 44944	01DAMX		7.1 6.0	******	7.6	1.1		1	
00400 1 Effluent Gross Value	Sample Measurement Permit Requirement QL Sample Measurement Permit				6.0						
ffluent Gross Value	Requirement QL Sample Measurement Permit	848837 64883	NOR	*****							GRAD
	Measurement Permit		*****		01DAMN	******	9.0 01DAMX	SÜ		1/Week	GRAB
0.400 7	Permit				7.4	*****	7.6		0	1 Week	GRAB
ntake From Stream	Requirement	44+44 #4444	*****	*****	REPORT 01DAMN	41948 284482	REPORT 01DAMX	ŝu		1/Week	GRAB
C50 Statre 96hr Acu Cyprinodon FAN6A 1	Sample Measurement Permit	****	*****	COE	E=N Not Reg	)irad	*****	%EFFL	0	2 Year	COMPOS
Effluent Gross Value	Requirement AL	413481	******		01DAMN 50	(iin)		METTE		2/Year	COMPO
Chlorine Produced Dxidants	Sample Measurement	*****	*****		 COE		E=N Not Reg	uiréd	0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement		*****	*****	*****	0.3 01MOAV	0.5 01DAMX	MG/L		3/Week	GRAB
1 Chlorine Produced Oxidants	QL Sample Measurement	Anatak Musik	174354 1 M M			<0.1	<0.1		0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement	****	4*****		11115	REPORT 01MOAV	0.2 01DAMX	МĠЛ		3/W/aek	ĞRĂB
emperature, oC	QL Sample Measurement	*****	*****		Apres	26.4	32.1		0	1 Day	CONTIN
00010 1 Effluent Gross Value	Permit Requirement OL	*****	54444 574447	*****	44444 44444	REPORT 01MØAV	REPORT 01DAMX	DEG.C		1/Day	CONTIN
ab Certification #	Sample Measurement	17327	PA010		106003				0	Not Applic	NOT AF
99999 99 .ab	Pennit Requirement QL	REPORT	REPORT Lab #		REPORT	REPORT Lab #	REPORT			Not Applic	NOT AF



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

Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 05/01/2017 - 05/31/2017

Permittee: PSE&G NUCLEAR LLC 80 PARK PLAZA NEWARK, NJ 07101 Location of Activity: **Report Recipient:** PSEG NUCLEAR LLC PSEG NUCLEAR LLC SALEM GENERATING STATION PO BOX 236/N21 ALLOWAY CREEK NECK RD HANCOCKS BRIDGE, NJ 08038 HANCOCKS BRIDGE, NJ 08038 NJPDES Permit Number: NJ0005622 Monitoring Period: 05/01/2017 To 05/31/2017 Monitored Location: 483A SW Outfall 483A Monitored Location Group: Region / County: Southern / Salem I No Discharge This Monitoring Period Check if Applicable: **Monitoring Report Comments:** 



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

Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 05/01/2017 - 05/31/2017

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	473	481		*****	****	****		0	1 Dav	CALCTD
50050 1	Permit	REPORT	REPORT	MGD	*****	*****	*****	*****			
Effluent Gross Value	Requirement	01MOAV	01DAMX	St. 1.	1. A 1. A 1.	1.200.00				1/Day	CALCTD
	QL	******	*****	2722. AM	******	******	*****		e	1	det an indi
pH	Sample	*****	*****	$\gamma \sim \gamma 0$	7.2	*****	7.6			1	
	Measurement	10 and 10 and 10	*****	54×71		*****			0	Week	GRAB
00400 1	Permit	ABARA .		secon	6.0		0,0	SU			0540
Effluent Gross Value	· Requirement. QL	*****	*****		01DAMN	******	01DAMX			1/Week	GRAB
oH	OL Sample	*****	*****		7.4	*****	7.6		37	1	
pri	Measurement			1	·.4		1.0		0	Week	GRAB
00400 7	Permit	****	****	64=4+	REPORT	*****	REPORT	SU			
Intake From Stream	Requirement				01DAMN		01DAMX			1/Waek	GRAB
	QL	*****	******		******	******	*****				
Chlorine Produced	Sample		A4484		*****					3	
Oxidants	Measurement		1. Sec. 19	1.4	chier and have been a second second	∮E=N Not Req	Comment of the local data and th	11 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	0	Week	GRAB
*CPOX 1	Permit	****	****	****	*****	÷ 0.3	0,5	MG/L	Contraction.	1.000	
Effluent Gross Value	Requirement	*****	******	65.4	*****	01MOAV	01DAMX		-	3/Week	GRAB
1	QL	100 Mar. 1990		0.200		*****		10.03	2000 a. 199		
Chlorine Produced	Sample	****	****		*****	<0.1	<0.1			3	
Oxidants	Measurement	2 <u>.</u>	1	*****					0	Week	GRAB
*CPOX 1	Permit	****	*****	*****	*****	REPORT	0.2	MG/L			
Effluent Gross Value	Requirement	<u>Chen K</u>	2019. N	-		01MOAV	01DAMX	i ter		3/Week	GRAB
2	QL	iante 4	******		#* *****	*****	AU. 463.4				
Temperature,	Sample	*****	*****		*****	26.2	30.4			1	
OC	Measurement		1.00						0	Day	CONTIN
00010 1	Permit		\$4+\$*	****	****	REPORT	REPORT	DEG.C			
Effluent Gross Value	Requirement		2. N. M.			01MOAV	01DAMX		<u></u>	1/Day	CONTIN
	QL	******	*****		******	******	*****				100 200
Lab Certification #	Sample	17327	PA010		06003	1	]		1		
	Measurement									Not Applic	NOT AP
99999 99	Permit	REPORT	REPORT		REPORT	REPORT	REPORT	1.	1		
Lab	Requirement	Lab #	Lab.#		Lab #	Lab #	Lab #	1000		Not Applic	NOT AP
	QL	*****	*****		weater .	44.1+46	*****	1. A. A. A.		a second second	solution by price



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

Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 05/01/2017 - 05/31/2017

Permittee: PSE&G NUCLEAR LLC 80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity: PSEG NUCLEAR LLC SALEM ALLOWAY CREEK NECK RD	GENERATING STATION	<u>Report Recipient:</u> PSEG NUCLEAR LLC PO BOX 236/N21
HANCOCKS BRIDGE, NJ 0803	88	HANCOCKS BRIDGE, NJ 08038
NJPDES Permit Number: Monitoring Period: Monitored Location: Monitored Location Group: Region / County:	NJ0005622 05/01/2017 To 05/31/2017 484A SW Outfall 484A Southern / Salem	
Check if Applicable:	o Discharge This Monitoring Perio	od
Monitoring Report Comn	nents:	



Shell Generation Date: 4/1/2017

PI: 46814

#### Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 05/01/2017 - 05/31/2017

Parameter		Quantity or	Loading	Units		ty or Concent	ration	Units	No Ex.	Frequency of Analysis	Sample Type
-low, In Conduit or Thru Treatment Plant	Sample Measurement	102	501		*****	****	¥1444		0	1 Day	CALCTD
50050 1 Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD	****	11111	*****	*****		1/Day	CALCTD
H	QL Sample Measurement	*****			7.2	*****	7.5		0	1 Week	GRAB
00400 1 Effluent Gross Value	Permit Requirement QL	*****	*****		6.0 01DAMN	****	9.0 01DAMX	ŚU		1/Week	GRAB
рН	Sample	221122		A1011	, 7.4	ArrA4	7.6	1.0	0	1 Week	GRAB
00400 7 ntake From Stream	Permit Requirement QL	***** \$44****	*****	*****	REPORT 01DAMN	***** *****	REPORT 01DAMX	SU		1/Week	GRAB
C50 Statre 96hr Acu Cyprinodon	Sample Measurement		*****	COD	E=N Not Req		16191 -		0	2 Year	
rAN6A 1 Effluent Gross Value	Permit Requirement AL	*****		*****	01DAMN 50	Appara.		%EFFL		2/Year	COMPOS
Chlorine Produced Dxidants	Sample Measurement	*****	****		*****	<0.1	<0.1	1	0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement		*****	*****	*****	0,3 01MDAV	0.5 01DAMX	MG/L		3/Week-	GRAB
1 Chlorine Produced Oxidants	QL Sample	414944 44499	*****			<0.1	<0.1			3 Week	
CPOX 1 Effluent Gross Value	Measurement Permit Requirement				*****	REPORT 01MOAV	0.2 01DAMX	MĠЛ.	0	3/Week	GRAB
femperature,	QL Sample Measurement	******			******	20.2	25.5		0	1 Day	CONTIN
00010 1 Effluent Gross Value	Permit Requirement	*****	*****	***	4***#A	REPORT 01MOAV	REPORT. 01DAMX	DEG.C		1/Day	CONTIN
ab Certification #	QL Sample Measurement	••••• 17327	PA010		06003	******				Not Applic	NOT AF
)9999 99 .ab	Permit	REPORT Lab #	REPORT		REPORT	REPORT	REPORT			Not Applic	



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

Surface Water Discharge Monitoring Report

## PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 05/01/2017 - 05/31/2017

Permittee: PSE&G NUCLEAR LLC 80 PARK PLAZA

NEWARK, NJ 07101

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

Report Recipient: PSEG NUCLEAR LLC PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: Monitoring Period: Monitored Location: Monitored Location Group:	NJ0005622 05/01/2017 To 05/31/2017 485A SW Outfall 485A
Region / County:	Southern / Salem

Check if Applicable: No Discharge This Monitoring Period

**Monitoring Report Comments:** 

The 485A outfall sample point was unavailable due to repairs to the stand pipe until 5/18/2017. Sample results included in this months DMR include data obtained as of 5/18/2017 and continuing on until the end of the month.



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

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#### Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 05/01/2017 - 05/31/2017

Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value 5H 50400 1 Effluent Gross Value 5H	Sample Measurement Permit Requirement QL Sample Measurement QL Sample Measurement Permit	98 REPORT 01MOAV	493 REPORT 01DAMX	MGD	······		7.5		0	1 Day 1/Day 1 Unation	CALCTD
Effluent Gross Value oH 00400 1 Effluent Gross Value	Requirement QL Sample Measurement Permit Requirement QL Sample Measurement	01MOAV	01DAMX		·····	441844 19444	T\$8.5+3			1	
0400 1 ffluent Gross Value	Sample Measurement Permit Requirement QL Sample Measurement		441714	Service in a service and	7.4		7.5			1	
ffluent Gross Value	Requirement QL Sample Measurement	inter 1 http://	A4173A	• <b>••••</b>	6.0					Week	GRAB
н	Sample Measurement	*****			01DAMN	*****	9.0 01DAMX	SU		1/Week	GRAB
	Permit	1775 W 17- X 17.			. 7.4	******	7.6		0	1 Week	GRAB
0400 7 ntake From Stream	Requirement QL	10.11 20.111	*****		REPORT 01DAMN	44444 	REPORT 01DAMX	SU		1/Week	GRAB
C50 Statre 96hr Acu Cyprinodon	Sample Measurement	*****	<u> </u>	COD	E=N Not Req		*****		0	2 Year	COMPOS
AN6A 1 Effluent Gross Value	Permit Requirement AL	11941 414934			REPORT 01DAMN 50	*****	*****	%EFFL		2/Year	COMPOS
hlorine Produced	Sample	*****			*****	<0.1	<0.1			3	
Dxidants	Measurement							1 Sector	0	Week	GRAB
CPOX 1	Permit	*****	A	*****	*****	0.3	0.5	MG/L			31 (s) h
Effluent Gross Value	Requirement	A+++++			*****	01MDAV	01DAMX			3/Week	GRAB
	QL	44444	*****	1.5		5.000.000.021.000.00000	2000 (00 No. 17, 714)				S. Carl
Chlorine Produced Oxidants	Sample Measurement			1.1		<0.1	<0.1		0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirement	19181	*****			REPORT 01MOAV	0,2 01DAMX	MG/L		3/Week	GRAB
······································	QL	*****	4+4***		*****	******		1999 - A.S.			<u> </u>
remperature,	Sample Measurement	*****	*****		*****	20.8	25.0		0	1 Dav	CONTIN
00010 1 Effluent Gross Value	Permit	*****		*****	*****	REPORT 01MOAV	REPORT. 01DAMX	DEG.C		1/Day	CONTIN
	QL	******					erren a		100	- Jody	CONTIN
ab Certification #	Sample Measurement	17327	PA010		06003					Not Applic	NOT AF
99999 99 .ab	Permit Requirement	REPORT	REPORT Lab #		REPORT Lab#	REPORT Lab #	REPORT Lab #			Not Applic	NO'T AF



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

Surface Water Discharge Monitoring Report

### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 05/01/2017 - 05/31/2017

Permittee: PSE&G NUCLEAR LLC **80 PARK PLAZA NEWARK, NJ 07101** Location of Activity: Report Recipient: PSEG NUCLEAR LLC SALEM GENERATING STATION PSEG NUCLEAR LLC ALLOWAY CREEK NECK RD PO BOX 236/N21 HANCOCKS BRIDGE, NJ 08038 HANCOCKS BRIDGE, NJ 08038 NJPDES Permit Number: NJ0005622 Monitoring Period: 05/01/2017 To 05/31/2017 Monitored Location: 486A SW Outfall 486A Monitored Location Group: Region / County: Southern / Salem Check if Applicable: No Discharge This Monitoring Period **Monitoring Report Comments:** 

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

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State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 05/01/2017 - 05/31/2017

Thru Treatment Plant     Me       50050 G     Raw Sew/influent     Ple       Flow, In Conduit or     Thru Treatment Plant     Me       50050 1     Effluent Gross Value     Ref       pH     Me       00400 1     Effluent Gross Value     Ref       pH     Me       00400 7     Intake From Stream     Ref       Chtorine Produced     Oxidants     Me       *CPOX 1     Effluent Gross Value     Ref       1     Chlorine Produced     Ref	Sample easurement Permit equirement Sample easurement Permit equirement QL Sample easurement QL Sample easurement Permit equirement QL Sample easurement Permit Sample	91.7 REPORT 01MOAV 77 REPORT 01MOAV	97.6 REPORT 01DAMX 494 REPORT 01DAMX ******	MGD MGD			1111 1111 1111 1111 1111 1111 1111 1111 1111		0 0 0 0	1 Day 1/Day 1 Day 1/Day 1/Day 1/Day 1/Day 1/Day 1/Week	CALCTD CALCTD CALCTD CALCTD GRAB GRAB GRAB
Raw Sew/influent     Re       Plow, In Conduit or Frnu Treatment Plant     Me       50050 1     Free       Effluent Gross Value     Re       DH     Me       D0400 1     Re       DH     Me       D0400 7     Re       Intake From Stream     Re       Chlorine Produced     Me       Dxidants     Me       1     Chlorine Produced       Oxidants     Me	equirement QL Sample easurement Permit equirement Sample easurement QL Sample easurement Permit equirement Permit equirement Permit equirement	UIMOAV 77 REPORT 01MOAV	01DAMX 494 REPORT 01DAMX 	MGD	***** ***** ***** ***** ***** ***** ****	30000 1000 2000 2000 2000 2000 2000 2000		SU de la constante	0	1 Day 1/Day 1/Day 1/Week 1/Week	CALCTD CALCTD GRAB GRAB
Tow, In Conduit or Thru Treatment Plant Me 10050 1 Iffluent Gross Value Re 100400 1 Iffluent Gross Value Re 10400 7 Intake From Stream Re Chlorine Produced Dxidants Me CPIOX 1 Iffluent Gross Value Re 10400 7 Iffluent Gross Value Re Iffluent Gros	Sample easurement Permit equirement CL Sample easurement CL Sample easurement easurement Permit lequirement Permit equirement	77 REPORT OTMAY	494 REPORT 01DAMX ****** ***** ***** ***** ***** *****			*****	7.5 9.0 0.1DAMX 7.6 REPORT	 SU	0	1 Day 1/Day 1 Week 1/Week	CALCTD CALCTD GRAB GRAB
0050 1     Ffluent Gross Value     Re       H     Me       0400 1     Re       iffluent Gross Value     Re       H     Me       0400 7     Re       Itake From Stream     Re       Chlorine Produced     Me       Xidants     Me       CPOX 1     Ffluent Gross Value       Refiltent Gross Value     Re       Chlorine Produced     Me       Xidants     Me       Chlorine Produced     Me	Permit equirement QL Sample easurement Permit equirement QL Sample easurement Permit tequirement OL	01MOAV	01DAMX			1000 5000 1000 1000 1000 1000	7.5 9.0 01DAMX 7.6 REPORT	SU	0	1/Day 1 Week 1/Week	GRAB GRAB
H Me 0400 1 Me ffluent Gross Value Me H Me 0400 7 ttake From Stream Re 2hlorine Produced Me CPOX 1 Siffluent Gross Value Re 2chlorine Produced Me Chlorine Produced Me	Sample easurement Permit equirement QL Sample easurement Permit tequirement QL	Allow Control of the second se			7.2 6.0 01DAMN 7.4 REPORT	44644 44644 44644 44644	7.5 9.0 01DAMX ***** 7.6 REPORT	SU	0	Week 1/Week	GRAB GRAB
0400 1	Permit equirement QL Sample easurement Permit equirement QL		109405 14554 14554 14544		7.4	440.445 ****	01DAMX 7.6 REPORT			1/Week	GRAB
0400 7 ntake From Stream Re Chlorine Produced Oxidants Me CPOX 1 Effluent Gross Value Re Chlorine Produced Dxidants Me	Sample easurement Permit equirement QL				7.4	*****	7.6 REPORT			1	
200400 7 Intake From Stream Re Chlorine Produced Dividants Me CCPOX 1 Effluent Gross Value Re Chlorine Produced Dividants Me	Permit equirement QL				A REAL PROPERTY AND A REAL	.mr.	El magne de la companya de la compan	SU	<u> </u>	teres in the second	
Chlorine Produced Dividants Me CPOX 1 Effluent Gross Value Re Chlorine Produced Dividants Me		1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 -		7 8 5 6 6 6 7 8			01DAMX			1/Week	GRAB
CPOX 1 Effluent Gross Value Chlorine Produced Dxidants Me		*****	****		*****	<0.1	<0.1		0	3	
Chlorine Produced Dxidants Me	easurement Permit lequirement	****			****	0.3 01MOAV:	0.5 01DAMX	MG/L	 	Week 3/Week	GRAB
	QL Sample	******	- A84644		*****	<0.1	****** <0.1			3	
	easurement Permit		*****			REPORT	0:2	MG/L	0	Week	GRAB
Effluent Gross Value	Cequirement QL	*****	474247	-	*****	01MOAV	01DAMX	1000		3/Week	GRAB
	Sample leasurement	TRAAT.	*****			18.2	23.6		0	1 _ Day	CONTIN
0010 1 Iffluent Gross Value	Permit equirement QL	*****	*****		*****	REPORT	REPORT 01DAMX	DEG.C		· · · · · · · · · · · · · · · · · · ·	CONTIN
	Sample leasurement	17327	PA010		,06003	100.4			<u></u>	Not Applic	NOT AF
99999 99	Permit. Regulrement	REPORT Lab #	REPORT		REPORT Lap#	REPORT- Lab.#	REPORT			Not Applic	



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

Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 05/01/2017 - 05/31/2017

Permittee: PSE&G NUCLEAR LLC 80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity: PSEG NUCLEAR LLC SALEM GENERATING STATION ALLOWAY CREEK NECK RD Report Recipient: PSEG NUCLEAR LLC PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number:NJ0005622Monitoring Period:05/01/2017 To 05/31/2017Monitored Location:487B SW Outfall 487BMonitored Location Group:Southern / Salem

Check if Applicable: IV No Discharge This Monitoring Period

**Monitoring Report Comments:** 

s:



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

Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 05/01/2017 - 05/31/2017

Permittee: PSE&G NUCLEAR LLC 80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity: PSEG NUCLEAR LLC SALEM GENERATING STATION ALLOWAY CREEK NECK RD Report Recipient: PSEG NUCLEAR LLC PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: Monitoring Period:	NJ0005622 05/01/2017 To 05/31/2017
Monitored Location:	489A SW Outfall 489A
Monitored Location Group:	
Region / County:	Southern / Salem

Check if Applicable:	No Discharge This Monitoring Period
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**Monitoring Report Comments:** 



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

## Surface Water Discharge Monitoring Report

#### PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 05/01/2017 - 05/31/2017

Parameter		Quantity or	Loading	Units	Qualit	y or Concentr	ation	Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	0.0596	0.0596		k****	*****	****		0	1 Month	CALCTD
60050 1 Effluent Gross Value	Permit Requirement	REPORT. 01MOAV	REPORT 01DAMX	MGD	*****	*****	*****	A++ A++		1/Month	CALCTD
H	Sample Measurement	*****	*****		8.0	<b>*****</b> 12 4	8.0		0	1 Month	GRAB
0400 1 Effluent Gross Value	Permit Requirement QL	*****	483441. 2244241	*****	6.0 01DAMN	*****	9.0 01DAMX	SU		1/Month	GRAB
Solids, Total Suspended	Sample Measurement	++++	*****		5	5	*****		0	1 Month	GRAB
0530 1 Effluent Gross Value	Permit Requirement OL	*****	*****	*****	100 01DAMX	30 01MOAV	*****	MG/L		1/Month	GRAB
etroleum lydrocarbons	Sample Measurement	*****	****		*4493	<2	<2		0	, 1 Month	GRAB
0551 1 Effluent Gross Value	Permit Requirement QL	*****	****	*****	*****	10 01MOAV	15 01DAMX	MG/L	<u></u>	1/Month	GRAB
Carbon, Tot Organic	Sample Measurement	*****	\$*7***		****	7	7		0	' 1 ' Month	GRAB
0680 1 ffluent Gross Value	Permit Requirement	*****	*****	*****	*****	REPORT 01MOAV	50 01DAMX	MG/L		1/Month	GRAB
ab Certification #	QU Sample	17327	PA010		06003		*****				<u> </u>
9999 99	Measurement Permit	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
.ab	Requirement QL	Lab #	Lab #	2.75	Lab #	Lab #	Lab #			Not Applic	NOT AP