CERTIFIED MAIL
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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 March 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)

C Executive Director, DRBC

IE25 NRR

EXPLANATION OF CONDITIONS

March 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.

ATTACHMENT: None

EXPLANATION OF EXCEEDANCES

March 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



Surface Water Discharge Monitoring Report

Shell Generation Date:

PI: 46814

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 SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 03/01/2018 - 03/31/2018

PSEG NUCLEAR LLC PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number:

NJ0005622

Monitoring Period: Monitored Location: 03/01/2018 To 03/31/2018 FACA SW Outfall FACA

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable:	I No Discharge Thi	s Monitoring Period		
Monitoring Report C	Comments:		 	
		-		



Shell Generation Date:

1/30/2018

69

State of New Jersey Department of Environmental Protection

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 03/01/2018 - 03/31/2018

Parameter		Quantity or	Loading	Units	Quali	ty or Concent	ration	Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC	Sample Measurement				*****	6.5	9.2		0	Continuous	CONTIN
0010 G Raw Sew/influent	Permit Requirement QL	*****	*****	"""		REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	CONTIN
emperature,	Sample Measurement	· ······	all parts	124	erior No. 2 mag	15.0	18.2		0	Continuous	CONTIN
0010 1 ffluent Gross Value	Permit Requirement	*****	44444	*****	*****	REPORT 01MOAV	43.3 01DAMX	DEG,C		Continuous	CONTIN
emperature,	QL Sample Measurement	1	****** 45		****	8.5	11.6		0	1 Day	CALCTD
0010 2 ffluent Net Value	Permit Requirement OL	41441	***** ******	*****	*****	REPORT 01MOAV	15,3 01DAMX	DEG.C		1/Day	GALCTD
ab Certification #	Sample Measurement	06003	PA051		17327	CT405		i di k	0	Not Applic	NOT AP
9999 99 ab	Permit Regulrement	REPORT Lab#	REPORT		REPORT	REPORT Lab#	REPORT Lab#			Not Applic	NOT AP
	QL	64444			*****	******	******				



Surface Water Discharge Monitoring Report

Shell Generation Date: 1/30/2018

PI: 46814

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 03/01/2018 - 03/31/2018

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:

Check if Applicable:

03/01/2018 To 03/31/2018 FACB SW Outfall FACB

No Discharge This Monitoring Period

Monitored Location Group:

Region / County:

Southern / Salem

••	-
Monitoring Report Comments:	



Shell Generation Date: 1/30/2018



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 03/01/2018 - 03/31/2018

Parameter		Quantity or	Loading	Units	Quali	ty or Concent	ration	Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC	Sample Measurement	*****	****		economic Perconalis	6.5	9.2		0	Continuous	CONTIN
00010 G Raw Sew/influent	Regulrement		*****	****	\$4744 447447	REPORT 01MOAV	REPORT 01DAMX	DEGIC	115	Continuous	CONTIN
Femperature,	Sample Measurement	\$1184 2000 10 10 10 10 10 10 10 10 10 10 10 10	*****		*****	14.5	17.0		0	Continuous	CONTIN
00010 1 Effluent Gross Value	Permit Requirement	*****	*****	*****	*****	REPORT 01MOAV	43.3 01DAMX	DEG.C	J	Continuous	CONTIN
Femperature,	QL Sample	*****	*****		*****	8.0	8.0			1	
oC 00010 2 Effluent Net Value	Measurement Permit	••••	*****		*****	REPORT	15.3	DEG.C	0	Day	CALCTD
ab Certification #	Requirement QL	06003	PAOE1		17207	01MOAV ****** CT405	01DAMX			1/Day	CALCTD
	Sample Measurement		PA051		17327		FEDORIT		0	Not Applic	NOT AP
99999 99 _ab	Permit Requirement QL	REPORT Lab#	REPORT Lab#		REPORT Lab#	REPORT Lab#	REPORT			Not Applic	NOT AP



Surface Water Discharge Monitoring Report

Shell Generation Date:

PI: 46814

1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 03/01/2018 - 03/31/2018

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: 03/01/2018 To 03/31/2018 FACC SW Outfall FACC

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable: No Discharge This Monitoring Period

Monitoring Report Comments:

PI: 46814

Shell Generation Date:

1/1/2018



State of New Jersey Department of Environmental Protection

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 03/01/2018 - 03/31/2018

	Quantity or	Loading	Units	Qualit	ty or Concent	ration	Units		Frequency of Analysis	
Sample Measurement	2789	2856	100	****** *******************************	*****	**************************************		0	1 Day	CALCTE
		REPORT 01DAMX	MGD	*****	*****	A PROPERTY OF THE PROPERTY OF	*****		1/Day	GALCTE
Sample Measurement	14604	15164				erry the same		0	1 Day	CALCT
Permit Requirement		30600 01 DAMX	MBTU/HR	J. Arthritish Sansan Sansan Sansan Sansan Sansan		100 m 2000 100 m 200 m 200 100 m 200 m 2	*10*** 10.000 10.000		1/Day	CALCT
Sample	06003	PA051		17327	CT405			0	Not Applic	NOT A
Permit Requirement	REPORT Lab#	REPORT Lab#		REPORT Lab#	REPORT Lab.#	REPORT Lab#				NOT A
	Measurement Permit Requirement OL Sample Measurement Permit Requirement OL Sample Measurement Permit Requirement	Sample Measurement Permit 3024 Requirement 01MOAV 0	Measurement Permit 3024 REPORT Requirement 01MOAV 01DAMX OL: 114604 15164 Measurement Permit REPORT 30800 Requirement 01MOAV 01DAMX OL: 114604 15164 Measurement 01MOAV 01DAMX OL: 114604 15164 Measurement 01MOAV 01DAMX Permit REPORT REPORT REPORT Requirement REPORT REPORT Requirement Lab# Lab#	Sample Measurement 3024 REPORT MGD	Sample Measurement Measu	Sample Measurement Measu	Sample 2789 2856	Sample 2789 2856	Sample 2789 2856	Sample Measurement



Shell Generation Date: 1/1/2018

PI: 46814

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 03/01/2018 - 03/31/2018

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:

Monitoring Period: Monitored Location: 03/01/2018 To 03/31/2018

NJ0005622

048C SW Outfall 48C

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable:

No Discharge This Monitoring Period

Monitoring Report Comments:

Additional sample results taken for TSS, NH3 and TOC have been used in the 48C outfall results for the month of March



Shell Generation Date:

1/1/2018



State of New Jersey Department of Environmental Protection

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 03/01/2018 - 03/31/2018

Discharge Monitori	ng Data:										
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	0.3024	0.4452		****	*****	*****		0	1 Day	CALCTD
50050 1 Effluent Gross Value	Pérmit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD		44944 48487	11111		Market 1	1/Day	GALCTD
Solids, Total Suspended	Sample Measurement	••••	*****		*****	8	10		0	2 Month	COMPOS
00530 1 Effluent Gross Value	Permit Requirement		*****	*****	••••	30 01MOAV	100 01DAMX	MG/L	<u> </u>	2/Month	COMPOS
Nitrogen, Ammonia	Sample	117144	*****		****	15	20			2	
Total (as N) 00610 1 Effluent Gross Value	Measurement Permit Reguirement		**************************************	*****	*****	35 01MOAV	70 01DAMX	MG/L	O Washingan	Month 2/Month	COMPOS COMPOS
Petroleum Hydrocarbons	QL Sample Measurement	- """	*****		****** 2-4150 # 12 14 14	< 5	<5		0	2 Month	GRAB
00551 1 Effluent Gross Value	Permit Requirement QL	*****	Party	*****	*****	10 01MOAV	15 01DAMX	MG/L		2/Month	GRAE
Carbon, Tot Organic (TOC)	Sample Measurement	Arria-	*****			2	4		0	2 Month	COMPOS
00680 1 Effluent Gross Value	Permit Requirement	#1984. 	*****	*****	*****	REPORT	50 01DAMX	MG/L		2/Month	COMPOS
Lab Certification #	QL Sample	06003	PA051		17327	CT405	2			2.23	
99999 99	Measurement Permit	REPORT	REPORT		REPORT	REPORT"	REPORT	i de la companya de	0	Not Applic	NOT AP
Lab	Requirement QL	Lab#	Lab#		Lab#	Eab#	Lab# ****		The Sulface of Co.	Not Applic	NOT AP



Shell Generation Date: 1/1/2018

PI: 46814

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 03/01/2018 - 03/31/2018

1346 a

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:

03/01/2018 To 03/31/2018

Monitored Location:

481A SW Outfall 481A

Monitored Location Group:

Region / County:

Southern / Salem

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j	j				j	j	ı	ı	ı	ı	ı	j	j				٥	ı	1	ľ	ı	1	ì	١	į	1	ı	1	ľ)	C	l	Л	١	ľ	i	S	5	Į	١	1	r	ľ	ı	ı	3	e	J	Ç	r	3	12	1	ľ	;	C	(ò	S	١.	,	_	L	Į)	C	1	١	r	J	i	į	 	 ١.,	Į,	Į	ļ	į						:	:))	е	E	E	ŧ	ı	l	ı	ı	ı	١	١	ì	ì	١	١	١	١	١	١	١	١	١	ı	ı	ı	ı	l	ı	l	(E	e	2))	9)))	ď	١	١	1	:	:	:

Monitoring Report Comments:



Shell Generation Date: 1/1/2018

PI: 46814

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 03/01/2018 - 03/31/2018

Parameter		Quantity or	Loading	Units		ty or Concent	ration	Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	453	497		47744	••••	,,,,,		0	1 Day	CALCTD
50050 1 Effluent Gross Value	Permit Requirement QL	REPORT 01MOAV	REPORT 01DAMX	MGD		*****	*****			1/Day	GALCTD
iH	Sample Measurement	*****	*****		7.6	2002	7.9		0	1 Week	GRAB
00400 1 Effluent Gross Value	Permit Requirement QL	****	*****		6.0 01DAMN	*****	9.0 01DAMX	SU.		1/Week	GRAB
Н	Sample Measurement	****	""		7.8	****	8.0	111	0	1 Week	GRAB
00400 7 Intake From Stream	Permit "Requirement; OL		*****	••••	REPORT 01DAMN	*****	REPORT 01DAMX	BÜ		1/Week⊯	GRAB
C50 Statre 96hr Acu Cyprinodon FAN6A 1 Effluent Gross Value	Sample Measurement Permit Requirement		*****	GOI *****	E=N Not Req REPORT	oired		%EFFL	0	2 Year 2/Year	COMPOS GOMPOS
Chlorine Produced	AL Sample	****** *****	111111 13111		50	*******	*****			3	
Oxidants CPOX 1 Effluent Gross Value	Measurement Permit Requirement GL	*****	.,			DE=N Not Req D.3 DI MOAV	E=N Not Rec	MG/L	0	Week 3/Week	GRAB GRAB
Chlorine Produced Oxidants	Sample Measurement	rtint	*****		*****	<0.1	<0.1		0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permit Requirements OL	*****	*****	*****		REPORT 01MOAV	0.2 01DAMX	MG/L		3/Week	GRAB
emperature,	Sample Measurement	***	****		eren.	16.1	24.7		0	1 Day	CONTIN
0010 1 Effluent Gross Value	Permit Requirement	###	*4.0**	*****	#: #	REPORT 01MOAV	REPORT 01DAMX	DEG.O		1/Day	CONTIN
ab Certification #	Sample Measurement	06003	PA051		17327	CT405	******		0	Not Applie	NOT AD
9999 99 ab	Permit Requirement	REPORT	REPORT		REPORT	REPORT Leb#	REPORT		U	Not Applic	NOT AP
40	QL	1000	*****		CBD #	ten.	*****			MON WHAT	HO! AF



Shell Generation Date: 1/1/2018

PI: 46814

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 03/01/2018 - 03/31/2018

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

may be referred to the Office of Permit Management at (609)984-4428.

Monitoring Period:

Region / County:

03/01/2018 To 03/31/2018 482A SW Outfall 482A

Monitored Location:

Monitored Location Group:

Southern / Salem

Check if Applicable:

☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions re	garding this monitoring repo	ort form to your permit writer.	Your permit writer's name
and telephone number can be found on the	e cover letter of your permit.	Questions about the electron	nic submission of this report



Shell Generation Date:

Pl: 46814

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 03/01/2018 - 03/31/2018

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	456	479			••••	*****		0	1 Day	CALCTD
0050 1 iffluent Gross Value	Permit Requirement QL	REPORT 01MOAV	REPORT 01DAMX	MGD	3 (4) (4) (4)	*****	Alipei		1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	i i/Day	GALGTD
н	Sample Measurement	*****	*****		7.7	*****	7.9		0	1 Week	GRAB
0400 1 ffluent Gross Value	Permit Requirement QL	*****	*****		6.0 01DAMN	*****	9.0 01DAMX	SU		1/Week	GRAB
Н	Sample Measurement	****	*****		7.8	****	8.0		0	1 Week	GRAB
0400 7 ntake From Stream	Permit Requirement OL	10000	*****	*****	REPORT 01DAMN	*****	REPORT 01DAMX	SU.		1/Week	GRAB
C50 Statre 96hr Acu yprinodon	Sample Measurement	77		41.75	E=N Not Req				0	2 Year	COMPOS
AN6A 1 ffluent Gross Value	Permil Requirement AL	*****	*****	****	REPORT 01DAMN 50	2000 2000	*****	%EFFL		2/Year	COMPOS
hlorine Produced	Sample	*****	*****		*****				-	3	
xidants	Measurement					E=N Not Req		· Contract Contract	0	Week	GRAB
CPOX 1 iffluent Gross Value	Permit Requirement	*****	****	*****		0.3 01MDAV	0.5 01DAMX	MG/L	225	3/Week	GRAB
Chlorine Produced	QL	*****	*****		*****	<0.1	****** <0.1	1	A All Bride	3	eller viet.
Oxidants	Measurement				-	<0.1	<0.1		0	Week	GRAB
CPOX 1 Effluent Gross Value	Permil. Requirement	7	*****	****	2442	REPORT.	0.2 01DAMX	MG/L		3/Week	GRAB
	QL .	*****	*****		.::		*****				
emperature, C	Sample Measurement	*****	****		*****	15.0	25.7		0	1 Day	CONTIN
0010 1 ffluent Gross Value	Permit Requirement	****	1 1 1		: :	REPORT 01MOAV	REPORT 01DAMX	DEG.C		1/Day	CONTIN
 	QL!	,,,,,,	*****		******	Him	*****				
ab Certification #	Sample	06003	PA051		17327	CT405				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	NOT
9999 99	Measurement Permit	REPORT	REPORT		REPORT	REPORT	REPORT		0	Not Applic	NOT AP
ab ·	Requirement QL	Lab#	Leb#		Lab#	Lab#	Lab#			Not Applic	NOT-AP



Surface Water Discharge Monitoring Report

Shell Generation Date: 1/1/2018

PI: 46814

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 03/01/2018 - 03/31/2018

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: 03/01/2018 To 03/31/2018 483A SW Outfall 483A

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable:	No Discharge This Monitor	ina Period

Monitoring Report Comments:



Shell Generation Date:



State of New Jersey Department of Environmental Protection

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 03/01/2018 - 03/31/2018

Discharge Monitori	ng Data:										
Parameter		Quantity or	Loading	Units	Quali	ty or Concent	ration	Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or	Sample	471	478		****	*****	*****	19-3		1	
Thru Treatment Plant 50050 1	Measurement Permit	REPORT	REPORT	MGD	*****	*****	41969	****	0	Day	CALCTD
Effluent Gross Value	Requirement	01MOAV	01DAMX	NGD		3.5				1/Day	GALCTD
	QL.	*****	*****		******	******	******			****	
pН	Sample Measurement	*****	4444		- 7.6	•••••	7.9		0	1 Week	GRAB
00400 1	Permit	*****	****		6.0	*****	9.0	su	0	week	GRAD
Effluent Gross Value	Requirement				OTDAMN		01DAMX			1/Week	GRAB
	QL	*****	*****		*****		*****		pline		
рH	Sample Measurement	****	4+44+		7.8	****	8.0		o	1 Week	GRAB
00400 7	Permit	*****	*****		REPORT	****	REPORT	su	0	Week	UNAD
Intake From Stream	Requirement		S.		01DAMN		01DAMX			1/Week	GRAB
	QL	*****	*****		*****	1000	*****				
Chlorine Produced Oxidants	Sample Measurement					 E=N Not Rea	E=N Not Rea	irad	0	3 Week	GRAB
*CPOX 1	Permit	*****	*****		*****	0.3	0.5	MG/L	· ·	WCCK	OTTO
Effluent Gross Value	Requirement	*****	*****		Phospe	D1MOAV	OIDAMX			3/Week	GRAB
1 Chlorine Produced	QL	****	estes		7						
Oxidants	Sample Measurement					<0.1	<0.1		. 0	3 Week	GRAB
*CPOX 1	Permit	*****	*****		. ****	REPORT	0.2	MG/L		W BBR	CIVID
Effluent Gross Value	Requirement					01MOAV	01DAMX			3/Week	GRAB
2	aL		*****		*****	*****	*****				
Temperature,	Sample	*****	****		*****	14.4	19.1			1	
оС	Measurement	*****	****		*****	Sauta	Manager - Construction of the Construction of		0	· Day	CONTIN
00010 1 Effluent Gross Value	Permit	ing.	\$44.84	••••	******	REPORT	REPORT	DEG.C			OOLTIN
Emilient Gross value	Requirement	210100	*****		*****	01MDAV	01DAMX			1/Day	CONTIN
Lab Certification #	Sample	06003	PA051		17327	CT405			METER CONTRACTOR		
	Measurement								0	Not Applic	NOT AP
99999 99	Permit:	REPORT	REPORT		REPORT	REPORT	REPORT				
Lab	Requirement	lab#	Lab#		Lab#	Lab#	Lab#			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				44,74



PI: 46814 Shell Generation Date:

1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 03/01/2018 - 03/31/2018

Surface Water Discharge Monitoring Report

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: 03/01/2018 To 03/31/2018 484A SW Outfall 484A

Monitored Location Group:

Region / County:

Southern / Salem

 □ No Discharge This Monitoring Period Check if Applicable:

Monitoring Report Comments:



Shell Generation Date: 1/1/2018

PI: 46814

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 03/01/2018 - 03/31/2018

Parameter		Quantity or	Loading	Units		ty or Concent	ration	Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	493	495				*****		0	1 Day	CALCTD
50050 1 Effluent Gross Value	Permit Requirement QL	REPORT 01MOAV	REPORT 01DAMX	MGD	Herre Herres	HUM		·***		1/Day	GALGTI
рН	Sample Measurement	*****	7,000		7.6	*****	7.9		0	1 Week	GRAB
00400 1 Effluent Gross Value	Permit Requirement	*****	**K#*	****	6.0 01DAMN	****	9.0 01DAMX	SU		1/Week	GRAB
pH	Sample Measurement	******	****		7.8	44974	8.0		0	1 Week	GRAB
00400 7 Intake From Stream	Permit Requirement	****	•7744		REPORT 01DAMN	*****	REPORT D1DAMX	BU		1/Week	GRAB
LC50 Statre 96hr Acu Cyprinodon	Sample Measurement	****	*****		>100	*****			0	2 Year	COMPO
TAN6A 1 Effluent Gross Value	Permil Requirement	*****	, een 1		REPORT 01DAMN	*****	4412.1	%EFFL		2/Year	COMPC
Chlorine Produced Oxidants	AL Sample		*****		50	E=N Not Reo			0	3 Week	GRAB
*CPOX 1 Effluent Gross Value	Measurement Permit Requirement	*****	*****		*****	E=N Not Req 0.3 01MOAV	E=N Not Red 0.5 01DAMX	MG/L		3/Week	GRAB
1 Chlorine Produced	QL Sample	#**** #****	ettare.		*****	<0.1	<0.1			3	
Oxidants *CPOX '1 Effluent Gross Value	Measurement Permit	raink	****			REPORT:	0.2 01DAMX	MG/L	0	Week	GRAB
Temperature,	Requirement QL Sample	*****	******		*****	14.1	17.2			3/Week	GRAB
DO010 1	Measurement	****	*****		ALL .	REPORT	REPORT	DEG.C	0	Day	CONTI
Effluent Gross Value	Requirement	******	mm			01MOAV	01DAMX			1/Day	CONTI
ab Certification #	Sample Measurement	06003	PA051		17327	CT405			0	Not Applic	NOT A
99999 99 Lab	Permit Requirement	REPORT	REPORT Lab#		REPORT Lab #	REPORT Lab#	REPORT			Not Applic	NOT A
	QL	*****	******		******	*****	******				



Shell Generation Date:

PI: 46814

1/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 03/01/2018 - 03/31/2018

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:

Monitoring Period:

Monitoring Period:

Monitored Location:

NJ0005622 03/01/2018 To 03/31/2018

485A SW Outfall 485A

Monitored Location Group:

Region / County:

Southern / Salem

Monitoring Report Comments:



Shell Generation Date: 1/1/20

PI: 46814

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 03/01/2018 - 03/31/2018

Parameter	Quantity or Loading			Units Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type	
low, in Conduit or	Sample	492	492		*****	*****	*****			1	
Thru Treatment Plant	Measurement Permit	REPORT	REPORT	MGD	****	****	*****		0	Day	CALCTD
Effluent Gross Value	Requirement	01MOAV	01DAMX	000						1/Day	CALCTD
	QL	284424	4.044.		119411	*****	400410				
Н	Sample	****	*****		7.7	••••	7.9			1	
00400 1	Measurement Permit	*****	****		6.0	****	9.0	su	0	Week	GRAB
Effluent Gross Value	Regulrement	17			0.0 DIDAMN		01DAMX	30		1/Week	GRAB
	QL		*****		*****	*****	*****				1 10 (107
Н	Sample	****	*****		7.8	*****	8.0			1	
0400 7	Measurement Permit	*****	88444		REPORT	****	RÉPORT	SU	0	Week	GRAB
ntake From Stream	Requirement		100	14-12	01DAMN		01DAMX	30		1/Week	GRAB
	QL	*****	*****		*****	******	*****				
.C50 Statre 96hr Acu	Sample	*****	*****			*****	****			2	
Cyprinodon FAN6A 1	Measurement Permit	*****	*****	, COL	E=N Not Req	uired *****	****	%EFFL	0	_ Year	COMPO
Effluent Gross Value	Requirement				01DAMN			70C11C		2/Year	COMPO
	AL	*****	*****		50	*****	100111				
Chlorine Produced	Sample	*****	****		*****					3	_
Oxidants	Measurement					E=N Not Req		★ (SEASONEDBY TARROWS)	0	Week	GRAB
CPOX 1	Permit	*****	P4114	••••	*****	0.3	0.5	MG/L			
Effluent Gross Value	Requirement	201.04	10000		10010	01MOAV	DIDAMX			3/Week	GRAB
Chlorine Produced	Sample	10000	*****		*****	<0.1	<0.1			3	
Oxidants	Measurement					~ 0.1	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		0	Week	GRAB
CPOX 1	Permit	.,,,,,	****		****	REPORT	0.2	MG/L		WCCK	THE COLUMN
Effluent Gross Value	Regulrement					01MQAV	01DAMX			3/Week	GRAB
2	QL	******	*****		.,,,,,,	*****				12 35 15 15	Pagraia
Temperature,	Sample	*****	*****		11171	14.2	17.3			1	
oC .	Measurement								0	Day	CONTIN
00010 1	Permit	*****	*****	*****	*****	REPORT	REPORT	DEG.C			
Effluent Gross Value	Requirement					01MOAV	01DAMX			1/Day .	CONTIN
	QL/	1****	*****		******	******	*****	De Company			
ab Certification #	Sample	06003	PA051		17327	CT405				N=4.4==1'	
9999 99	Measurement Permit	REPORT	REPORT		REPORT	REPORT	REPORT		0	Not Applic	NOT AF
-ap ₃9999 99	Requirement	REPORT	REPORT		REPORT	HEPORII Lab#	Lab#			Not Applic	NOT AF
מם.	DI Kadhilalilalif	Lab #	EdU#	1	LAD#	Lau #	Lau ii			Not Applic	HOLA



Shell Generation Date: 1/1/2018

PI: 46814

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 03/01/2018 - 03/31/2018

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:

nber: NJ0005622

Monitoring Period: Monitored Location: 03/01/2018 To 03/31/2018 486A SW Outfall 486A

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable: No Discharge This Monitoring Period

Monitoring Report Comments:



Shell Generation Date: 1/1/2018



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 03/01/2018 - 03/31/2018

Parameter		Quantity or	Loading	Units	Quail	ty or Concent	ration	Units	No Ex.	Frequency of Analysis	Sample Type
low, In Conduit or Thru Treatment Plant	Sample Measurement	64.2	70.9				••••		0	1 Day	CALCTO
0050 G taw Sew/influent	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX	MGD	*****	ALLEY ALLEY	****			1/Day	GALGTE
low, In Conduit or hru Treatment Plant	Sample Measurement	488	490		****	alesa.	4000		0	1 Day	CALCTI
0050 1 ffluent Gross Value	Permit Requirements	REPORT 01MOAV	REPORT, 01DAMX	MGD		****	*****	•••••		1/Day	CALCTE
Н	QL Sample Measurement	******	*****		7.6	*****	8.0		0	1 Week	GRAB
00400 1 Effluent Gross Value	Permit Requirement	*****	*****	,,	6,0 01DAMN	*****	9.0 01DAMX	BU		1/Week	GRAB
Н	Sample Measurement	*****	****		7.8	*****	8.0		0	1 Week	GRAB
00400 7 ntake From Stream	Permil Requirement QL	*****	*****	••••	REPORT 01DAMN	*****	"REPORT 01DAMX	SU	e e	1/Week	GRAB
Chlorine Produced	Sample Measurement	*****	*****	utini,	****	E=N Not Req		uired	0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Permii Requirement		****	••••	****	0.3 01MOAV	0.5 01DAMX	MG/L		3/Week	GRAB
Chlorine Produced Oxidants	Gl_ Sample	****	*****	120,0	And the second	<0.1	<0.1		0	3 Week	GRAB
CPOX 1 Effluent Gross Value	Measurement Permit Requirement			enast.	To the second	REPORT 01MOAV	0.2 D1DAMX	MG/L		3/Week	GRAB
emperature,	GL Sample Measurement	*****	•***		*****	15,2	18.3		0	1 Day	CONTIN
0010 1 Effluent Gross Value	Parmit Requirement	****	:		****	REPORT 01MOAV	REPORT 01DAMX	DEG.O.	part .	1/Day	CONTIN
ab Certification #	QL Sample	06003	PA051		17327	CT405	*****				
9999 99	Measurement Permit	REPORT	REPORT		REPORT	REPORT	REPORT		0	Not Applic	NOT AF
_ab	Requirement	Lab#	Lab#	-	Lab#	Lab#	Lab#	1	0.0	Not Applic	NOT AP



Shell Generation Date:

PI: 46814

1/1/201

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 03/01/2018 - 03/31/2018

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:

Monitoring Period:

03/01/2018 To 03/31/2018

Monitored Location:

487B SW Outfall 487B

Monitored Location Group:

Region / County:

Southern / Salem

NJ0005622

Check if Applicable:

No Discharge This Monitoring Period

Monitoring Report Comments:

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re	garding	g this mo	nitoring	report fo	rm to yo	ur peri	mit write	er. You	r permi	it writer's	s name	



Shell Generation Date:

PI: 46814

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 03/01/2018 - 03/31/2018

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: 03/01/2018 To 03/31/2018 489A SW Outfall 489A

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable:

Monitoring Report Comments:



Shell Generation Date:

1/1/2018

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State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 03/01/2018 - 03/31/2018

Discharge Monitori	ng Data:										
Parameter	Quantity of		Loading Units	Units	Jnits Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant	Sample Measurement	0.0557	0.0557	120	*****	****	*****		. 0	1 Month	CALCTD
50050 1 Effluent Gross Value	Permit Requirement QL	REPORT	REPORT 01DAMX	MGD	**************************************	*****	4994A			1/Month	CALCTD
pH	Sample Measurement	*****	*****	Pro	7.1	en Paris III	7.1		0	1 Month	GRAB
00400 1 Effluent Gross Value	Permit Requirement QL	Annes	*****	*****	6.0 01DAMN	*****	9.0 01DAMX	SU		1/Month	GRAB
Solids, Total Suspended	Sample Measurement	Tiene (flat 1, 1, 1, 1)	Prior .		12	12	1277		0	1 Month	GRAB
00530 1 Effluent Gross Value	Permit Pe	######################################		*****	100 01DAMX	30 01MOAV		MG/L		-1/Month	GRAB
Petroleum Hydrocarbons	Sample Measurement	*****	press		*****	<5	<5		0	1 Month_	GRAB
00551 1 Effluent Gross Value	Permit Requirement PL	******	*****		*****	01 VAOM 10	15 01'DAMX	MG/L		1/Month	GRAB
Carbon, Tot Organic	Sample Measurement	*****	#*####################################		****	3	3		0	1 Month	GRAB
00680 1 Effluent Gross Value	Permit Requirement	ererijo og 2 Partijo og 2 Partijo og 1	**************************************	1 17141	eren.	REPORT 01MOAV	50 01DAMX	MG/L		1/Month	GRAB
Lab Certification #	QL Sample	06003	PA051		17327	CT405	******				
99999 99	Measurement Permit	REPORT	REPORT		REPORT	REPORT	REPORT		0	Not Applic	NOT AP
Lab	∈Requirement QL	Lab#	Lab#		Lab#	Lab#	Lab#		187	Nat Applic	NOTAP



Shell Generation Date: 1/1/2018

PI: 46814

Surface Water Discharge Waste Characterization Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 02/01/2018 - 07/31/2018

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:

02/01/2018 To 07/31/2018

Monitored Location Group:

048C SW Outfall 48C N/A

Region / County:

Southern / Salem

Monitoring Report Comments:		 · · · · · ·	 -,
·			



State of New Jersey

Shell Generation Date:

PI: 46814

1/1/2018

Department of Environmental Protection

Surface Water Discharge Waste Characterization Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 02/01/2018 - 07/31/2018

Sample Date: (mm/dd/yyyy)	03/13/201	191		
Waste Characterization Data:				
Parameter	Reported Value	Units	Remark Code	Sample Type
Sulfate, Total (as SO4)	1380000	UG/L		GRAB
00945 1 Effluent Gross Value		1446	S Laboratory test	15
Boron, Total (as B)	378	UG/L		GRAB
01022 1 Effluent Gross Value			S Laboratory test	
Dichlorobromomethane	40.0	UG/L		GRAB
32101 1 Effluent Gross Value			S Laboratory test	
Bromoform	31.7	UG/L		GRAB
32104 1 Effluent Gross Value			S Laboratory test	
Chloroform	101	UG/L		GRAB
32106 1 Effluent Gross Value			S Laboratory test	
Acrylonitrile	<4	UG/L		GRAB
34215 1 Effluent Gross Value		and the second of	nalyzed for but not dete	
Chlorodibromomethane	39.4	UG/L		GRAB
34306 1 Effluent Gross Value		to the second	S Laboratory test	
_ab Certification #	06003			NOT AP
99999 99 Lab				
_ab Certification #	PA051			NOT-AP
99999 99 Lab				
ab Certification #	17327			NOT AP
99999 99 Lab				
ab Certification #	CT405			NOT AP
99999 99 Lab				
ab Certification #				NOT AP
99999 99 Lab				