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	B
1	Instruction
2	The CID must be kept in the .xlsx format. Do not right click the CID file and use "Save as...". The CID will not work if converted to .xls format. The file CAN be copied and pasted, then renamed, but must retain the .xlsx extension.
3	The user defines this column. Leave the AOC ID unchanged once it has been defined. Each row must have a unique AOC ID. Duplicate or blank entries will not work. 100 Character limit for this column.
4	<p>Choose the area of concern (AOC) from the dropdown list. Do NOT paste into this column. This list is derived from N.J.A.C. 7:26E-1.8. If your specific AOC is not on the list, choose the AOC from the list that best describes the AOC. If there is an IEC or VC condition concerning potable wells or vapor issues, select "Environmental media - Media Ground water" or "Environmental media - Media Air", as appropriate</p> <p>Contaminated ground water is an identified AOC as per N.J.A.C. 7:26E-1.8. Contaminated Ground water should be listed as an AOC separate from the source that contaminated the ground water. For example, if you have an UST that discharged to ground water, the UST would be one AOC and contaminated ground water would be a second AOC.</p> <p>Note: An UST system is Federally regulated unless one of the following conditions apply:</p> <ul style="list-style-type: none"> • The UST system is less than 110 gallons in rated volume; • The UST system is a SUMP as defined in the UST regulations at N.J.A.C. 7:14B-1.6; • The hazardous substance stored in the UST system is a RCRA regulated waste; • The UST system contained heating oil used exclusively for onsite consumption; • The UST system was used for motor fuel for non-commercial farm or residential purposes and the total rated capacity of all motor fuel USTs at the site is less than 1,100 gallons.
5	<p>Complete this column to provide a concise, unique description of the AOC type selected. Provide specific details of the AOC, such as size, contents, and quantity of the UST or AST, or location of floor drain if multiple drains exist. 500 character limit for this column.</p> <p>Example: Ground water associated with current UST Field: 3/10,000-gallon unleaded gasoline; 2/4,000-gallon diesel</p>

	A
6	Confirmed Contamination
7	AOC Status
8	Status Date
9	Incident #
10	DEP AOC Number
11	Contaminated Media
12	Contaminants of Concern
13	Additional Contaminants of Concern
14	Additional Contaminants of Concern

	B
6	Select the status from the dropdown. If any contamination, as defined by N.J.A.C. 7:26E-1.8, is present above the applicable remediation standards, select "Yes". If the AOC requires remediation, select "Yes". Use the "undetermined" status when an AOC has not yet been investigated. Once an AOC is identified as contaminated, it remains as such until an RAO is issued.
7	This column reflects the status of the investigation/remediation for this AOC at the time of this submission. Choose the status that best applies to this AOC based on what has been submitted to the Department. Do NOT paste into this column.
8	Enter the date this status was attained, based on when the document was submitted to the Department. For an NFA or RAO, use the date of that final document.
9	PUT COMMAS BETWEEN INCIDENT NUMBERS. Enter the comma delimited list of incident numbers (Communication Center Numbers) associated with this AOC. Format as follows: YY-MM-DD-HHMM-SS. If there is no incident #, leave blank. DO NOT ADD ANY OTHER TEXT.
10	The 'DEP AOC Number' is generated by the NJDEP. Each AOC is issued a unique number. The number will be generated upon first upload of the Case Inventory Form to NJDEP Online. If this number is known for an AOC, enter it in subsequent Case Inventory Document submissions. If the number is not known, leave it blank. Enter only positive whole numbers, no text. Populating the number will aid the CID upload process. The number will ensure that the CID AOCs are matched to previously uploaded AOCs in the case, and help prevent duplicate AOCs from being created in the Department's case data.
11	Select from the dropdown. If multiple media are contaminated, or if sediment, surface water, or indoor air are contaminated, select "Mixed Media". If the contaminated media has been remediated, select the media that was previously contaminated. If no discharge is associated with this AOC, select "none".
12	Select from the dropdown. If contamination is not present, select "Not Applicable". If more than one selection from the dropdown menu applies, use additional columns as needed. Contaminants may be added as the remediation progresses but shall not be removed. Remediation of contaminants shall be addressed in the AOC Status and Status Date fields.
13	Select from the dropdown. If an entry is not needed, leave this column blank.
14	Select from the dropdown. If an entry is not needed, leave this column blank.

	A
15	Applicable Remediation Standard
16	Exposure Route
17	Additional Exposure Route
18	RA Type
19	Additional RA Type
20	Additional RA Type
21	Was an Order of Magnitude Evaluation Conducted?
22	Activity

	B
15	Identify the applicable remediation standard that applies to the contaminants of concern at this AOC. If an AOC specific ARS is utilized, identify the method, contaminant and resultant ARS in the "Activity" column of this CID. The Default Remediation Standards are listed at N.J.A.C. 7:26D. The Soil Cleanup Criteria are applicable to NJDEP-approved RAWs or NFAs that were received prior to December 2, 2008. Identify any additional applicable remediation standards applied to the AOC in the "Activity" column. It is assumed that the Ground Water Quality Standards for the ground water classification at the site will apply to ground water.
16	Select the exposure route for this AOC. If more than one exposure route applies, populate the next column as well.
17	Select from the dropdown if more than one exposure route applies to this AOC. If an entry is not needed, leave this column blank. If more than two exposure routes apply to this AOC, identify the additional exposure routes in the "Activity" column.
18	Use this column to identify current, past, and interim remedial measures at this AOC. Select from the dropdown. Use additional columns as needed. If a remedial action is not required or the remediation at this AOC is not at the remedial action phase, leave this column blank.
19	If an entry is not needed, leave this column blank.
20	If an entry is not needed, leave this column blank. If additional RA types apply to this AOC, list them in the "Activity" column.
21	Populate this column when an Order of Magnitude (OOM) determination is required. See the Department's Order of Magnitude Guidance Document for applicability. If OOM does not apply, leave this column blank.
22	<p>Briefly describe the current condition of each AOC. Do not repeat information that has been provided elsewhere in the CID. It is not necessary to provide a complete history of the AOC. That history is available in the RIR report and in previous versions of the CID, which remain available. The typical size of this description is a few lines.</p> <p>Provide a concise summary of the status of the remediation (e.g. contaminant(s) that drive the remediation, status of delineation of each media, water table depth, date of UST removal). If remediation of the AOC is not complete, identify the next phase to be completed (e.g. RI to be conducted). For potential AOCs that were not sampled, include a brief rationale for the decision not to perform sampling. Identify any compliance options and/or alternate remediation standards used (e.g. SPLP used for "contaminant", site specific standard is XXX mg/kg). Focus on critical and necessary details. 4,000 character limit for this column.</p>

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1	Case Name:	Doe's Fuel Stop LLC	IMPORTANT:	1) Do not copy and
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3				3) If the text turns r
4	Case Inventory Document Version 1.4 07/16/15			
5	AOC ID	AOC Type	AOC Description	Confirmed Contamination
6	AOC1	Storage tank and appurtenance - Federal Regulated Under ground storage tank	Current UST Field: 3/10,000-gallon unleaded gasoline; 2/4,000-gallon diesel	Yes
7	AOC2	Environmental media - Media Ground water	Ground water associated with current UST Field: 3/10,000-gallon unleaded gasoline; 2/4,000-gallon diesel	Yes
8	AOC3	Storage tank and appurtenance - Unregulated Under ground storage tank	Former 1/550-gallon #2 heating oil for on-site use	Yes
9	AOC4	Storage tank and appurtenance - Above ground storage tank	Current 1/1,000-gallon #2 heating oil AST for on-site use	No
10	AOC5	Environmental media - Media Ground water	Chlorinated Contamination from Off-site Source	Yes
11	AOC6	Environmental media - Media Ground water	IEC - contaminated ground water in on-site potable well	Yes
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1	paste into more than 1 cell at a time because it can disrupt hidden equations.							
2	Word document, use the Paste option: Match Destination Formatting							
3	ed you have exceeded the character limit for that column							
4								
5	AOC Status	Status Date	Incident #	DEP AOC Number	Contaminated Media	Contaminants of Concern	Additional Contaminants of Concern	Additional Contaminants of Concern
6	RI	12/12/2014	11-07-09-1244-13		Mixed Media	VO		
7	RI	12/12/2014	11-07-09-1244-13		Ground Water	VO		
8	NFA-A DEP Issued (Unrestricted Use)	4/16/1995	93-04-17-1544-22		Soil	TPHC		
9	PA	3/12/2014	NA		None			
10	RAO-A (Unrestricted Use)	5/19/2015	14-01-19-1059-16, 15-05-01-1201-52		Ground Water	VO		
11	RAR	5/19/2015	14-02-25-0953-33		Ground Water	VO		
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5	Applicable Remediation Standard	Exposure Route	Exposure Route	RA Type	RA Type	RA Type	Was an Order of Magnitude Evaluation Conducted?
6	Remediation Standards	Ingestion/Dermal					
7	Remediation Standards	Ground Water					
8	Soil Cleanup Criteria (MUST have RAW approved for AOC prior to 12/2/2008)	Ingestion/Dermal		Excavation			Yes
9	Remediation Standards						
10	Remediation Standards	Ground Water					
11	Remediation Standards	Ground Water		POET			
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5	Activity									
6	Benzene detected above GWQS but below the VI GWSL. Soil and Ground water delineation has been completed. Remedial Action Workplan being prepared.									
7	Benzene detected above GWQS but below VI GWSL. Ground water delineation has been completed. CEA proposal submitted. Remedial Action Workplan being prepared									
8	Soil contamination identified and excavated. Post ex-sampling below soil standards. Ground water was below the GWQS									
9	PA identified AST as potential AOC. No signs of a discharge, no staining around the AST. No further investigation recommended.									
10	PA/SI conducted along with background investigation. PCE contamination witness in ground water from an off-site source. Hotline notified of a verified unknown source. Unrestricted RAO issued.									
11	February 2014 - Benzene detected above Drinking water standards in on-site potable well. March 2014 - POET installed for potable well. Drinking water monitored and no exceedances were detected. May 2015 - IEC Source control report submitted.									
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1		CID Validation Tests
2		
3		When the CID is uploaded to NJDEP, the Online Service performs 13 validation tests. The tests are listed below by the error messages they produce.
4		
5		1. Duplicate AOC ID
6		2. AOC ID is Required
7		3. AOC ID > 100 Characters
8		4. AOC Type is Required
9		5. AOC Description/Details > 500 Characters
10		6. AOC Description is Required
11		7. AOC Status is Required
12		8. AOC Status Code is Required
13		9. Invalid NJDEP ID# - Is not numeric
14		10. Invalid NJDEP ID# - Is not found in the case
15		11. Invalid status Date – Invalid or NULL()
16		12. Confirmed Contamination is Required
17		13. Tank related CIDs must have Registered tanks
18		
19		Note: Submissions with CIDs that contain more than 90 AOCs will not be successful.
20		
21		This version of the CID can now handle
22		1. Special Characters
23		2. Ampersands and apostrophes
24		3. A with Hat (Ã)



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

Pt: 46814
Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	23.9	25.2	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	31.8	33.1	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	7.8	9.1	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:												
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type	
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement			°C		23.9	25.2	DEG.C	0	Continuous	CONTIN	
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN	
	QL											
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement			°C		31.2	33.0	DEG.C	0	Continuous	CONTIN	
	Permit Requirement					REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN	
	QL											
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement			°C		7.3	8.5	DEG.C	0	1 Day	CALCTD	
	Permit Requirement					REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD	
	QL											
Lab Certification #	Sample Measurement	17327	06003		PA051				0	Not Applic	NOT AP	
99999 99 Lab	Permit Requirement	REPORT Lab #	REPORT Lab #			REPORT Lab #	REPORT Lab #		REPORT Lab #		Not Applic	NOT AP
	QL											



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/influent	Sample Measurement	2830	2856	MGD	00000	00000	00000	00000	0	1 Day	CALCTD
	Permit Requirement	3024 01MOAV	REPORT 01DAMX		00000	00000	00000		00000	1/Day	CALCTD
	QL	000000	000000		000000	000000	000000		000000		
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	13966	14565	MBTU/HR	00000	00000	00000	00000	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	30600 01DAMX		00000	00000	00000		00000	1/Day	CALCTD
	QL	000000	000000		000000	000000	000000		000000		
Lab Certification #	Sample Measurement	17327	06003		PA051				0	Not Applic	NOT AP
99999 99	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
Lab	QL	000000	000000		000000	000000	000000				



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

PI: 46814
Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 09/01/2017 - 09/30/2017

Permittee:
PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:
PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 048C SW Outfall 48C
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.2627	0.3523	MGD	****	****	****	MGD	0	1 Day	CALCTD
	Permit Requirement	REPORT	REPORT		****	****	****				
	Requirement	01MOAV	01DAMX		****	****	****				
	QL	****	****		****	****	****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	****	****	MGD	****	10	12	MG/L	0	2 Month	COMPOS
	Permit Requirement	****	****		****	30	100				
	Requirement	****	****		****	01MOAV	01DAMX				
	QL	****	****		****	****	****				
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement	****	****	MGD	****	16	17	MG/L	0	2 Month	COMPOS
	Permit Requirement	****	****		****	35	70				
	Requirement	****	****		****	01MOAV	01DAMX				
	QL	****	****		****	****	****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	****	****	MGD	****	<5	<5	MG/L	0	2 Month	GRAB
	Permit Requirement	****	****		****	10	15				
	Requirement	****	****		****	01MOAV	01DAMX				
	QL	****	****		****	****	****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	****	****	MGD	****	4	4	MG/L	0	2 Month	COMPOS
	Permit Requirement	****	****		****	REPORT	50				
	Requirement	****	****		****	01MOAV	01DAMX				
	QL	****	****		****	****	****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003		PA051				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #				
	QL	****	****		****	****	****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	485	509	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		8.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From: Stream	Sample Measurement	*****	*****	*****	7.7	*****	8.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cypripodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	31.8	35.2	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 7/1/2017

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	481	482	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX							1/Day	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.4		7.7	SU	0	1 Week	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX			1/Week	GRAB
	QL										
pH 00400 7 Intake From Stream	Sample Measurement				7.7		8.7	SU	0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX			1/Week	GRAB
	QL										
LC50 Statre 96hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required			%EFPL	0	2 Year	COMPOS
	Permit Requirement				REPORT 01DAMN					2/Year	COMPOS
	AL				50						
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Required	E=N Not Required		MG/L	0	3 Week	GRAB
	Permit Requirement					0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement					<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement					REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL										
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement					32.0	33.9	DEG.C	0	1 Day	CONTIN
	Permit Requirement					REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003		PA051				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	485	487	MGD	0.000	0.000	0.000	MGD	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		0.000	0.000	0.000				
	QL	0.0000	0.0000		0.0000	0.0000	0.0000			1/Day	CALCTD
pH 00400 1 Effluent Gross Value	Sample Measurement	0.000	0.000	SU	7.5	0.000	7.7	SU	0	1 Week	GRAB
	Permit Requirement	0.000	0.000		6.0 01DAMN	0.000	9.0 01DAMX			1/Week	GRAB
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				
pH 00400 7 Intake From Stream	Sample Measurement	0.000	0.000	SU	7.7	0.000	8.7	SU	0	1 Week	GRAB
	Permit Requirement	0.000	0.000		REPORT 01DAMN	0.000	REPORT 01DAMX			1/Week	GRAB
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	0.000	0.000	MG/L	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	0.000	0.000		0.3 01MOAV	0.5 01DAMX				3/Week	GRAB
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				
Chlorine Produced Oxidants *CPOX 2 Effluent Gross Value 2	Sample Measurement	0.000	0.000	MG/L	0.000	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	0.000	0.000		0.000	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	0.000	0.000	DEG.C	0.000	31.5	33.4	DEG.C	0	1 Day	CONTIN
	Permit Requirement	0.000	0.000		0.000	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003		PA051				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

PI: 46814
Shell Generation Date: 7/1/2017

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	505	509	MGD	*****	*****	*****	MGD	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.5	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	8.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cypripodon TANGA 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN 50	*****	*****		2/Year	COMPOS	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	31.4	35.7	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				



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

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

DSN 485A sampling for CPOX options 1 & 2 was not performed on 9/1/2017 due to sample standpipe bring isolated for plant maintenance

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	494	495	MGD	0.000	0.000	0.000	MGD	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		0.000	0.000	0.000				
	QL	0.00000	0.00000		0.00000	0.00000	0.00000				
pH 00400 1 Effluent Gross Value	Sample Measurement	7.5	7.7	SU	7.5	7.7	7.7	SU	0	1 Week	GRAB
	Permit Requirement	6.0	9.0		6.0	9.0	9.0				
	QL	0.00000	0.00000		0.00000	0.00000	0.00000				
pH 00400 7 Intake From Stream	Sample Measurement	7.7	8.7	SU	7.7	8.7	8.7	SU	0	1 Week	GRAB
	Permit Requirement	REPORT 01DAMN	REPORT 01DAMX		REPORT 01DAMN	REPORT 01DAMX	REPORT 01DAMX				
	QL	0.00000	0.00000		0.00000	0.00000	0.00000				
LC50 Statre 96hr Acu Cyprinodon TANGA 1 Effluent Gross Value	Sample Measurement	>100		%	>100			%EFFL	0	2 Year	COMPOS
	Permit Requirement	REPORT 01DAMN			REPORT 01DAMN						
	QL	50			50						
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 1	Sample Measurement			MG/L	CODE=N Not Required=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	0.3	0.5		0.3	0.5	0.5				
	QL	0.00000	0.00000		0.00000	0.00000	0.00000				
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 2	Sample Measurement	<0.1	<0.1	MG/L	<0.1	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	REPORT 01MOAV	0.2		REPORT 01MOAV	0.2	0.2				
	QL	0.00000	0.00000		0.00000	0.00000	0.00000				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	31.4	33.6	DEG.C	31.4	33.6	33.6	DEG.C	0	1 Day	CONTIN
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		REPORT 01MOAV	REPORT 01DAMX	REPORT 01DAMX				
	QL	0.00000	0.00000		0.00000	0.00000	0.00000				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	PA051	PA051				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	0.00000	0.00000		0.00000	0.00000	0.00000				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 09/01/2017 - 09/30/2017

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

PI: 46814
Shell Generation Date: 7/1/2017

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	119.8	126.7	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	499	500	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.5	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0	*****	9.0				
	QL	*****	*****		01DAMN	*****	01DAMX				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	8.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	*****	CODE=N Not Reg	*****	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3	0.5				
	QL	*****	*****		*****	01MOAV	01DAMX				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2				
	QL	*****	*****		*****	01DAMX	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	31.0	35.1	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0093	0.0093	MGD	0.0093	0.0093	0.0093	MGD	0	1 Batch	CALCTD
	Permit Requirement	REPORT	REPORT		0.0093	0.0093	0.0093				
	Requirement	01MOAV	01DAMX		0.0093	0.0093	0.0093				
	QL	0.0093	0.0093		0.0093	0.0093	0.0093				
pH 00400 1 Effluent Gross Value	Sample Measurement	6.5	6.5	SU	6.5	6.5	6.5	SU	0	1 Batch	GRAB
	Permit Requirement	6.0	9.0		6.0	9.0	9.0				
	Requirement	01DAMN	01DAMX		01DAMN	01DAMX	01DAMX				
	QL	0.0093	0.0093		0.0093	0.0093	0.0093				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	6	6	MG/L	6	6	6	MG/L	0	1 Batch	GRAB
	Permit Requirement	REPORT	100		REPORT	100	100				
	Requirement	01MOAV	01DAMX		01MOAV	01DAMX	01DAMX				
	QL	0.0093	0.0093		0.0093	0.0093	0.0093				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	23.4	23.4	DEG.C	23.4	23.4	23.4	DEG.C	0	1 Batch	GRAB
	Permit Requirement	REPORT	43.3		REPORT	43.3	43.3				
	Requirement	01MOAV	01DAMX		01MOAV	01DAMX	01DAMX				
	QL	0.0093	0.0093		0.0093	0.0093	0.0093				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	<5	<5	MG/L	<5	<5	<5	MG/L	0	1 Batch	GRAB
	Permit Requirement	REPORT	15		REPORT	15	15				
	Requirement	01MOAV	01DAMX		01MOAV	01DAMX	01DAMX				
	QL	0.0093	0.0093		0.0093	0.0093	0.0093				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	<1	<1	MG/L	<1	<1	<1	MG/L	0	1 Batch	GRAB
	Permit Requirement	REPORT	50		REPORT	50	50				
	Requirement	01MOAV	01DAMX		01MOAV	01DAMX	01DAMX				
	QL	0.0093	0.0093		0.0093	0.0093	0.0093				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003		PA051				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #				
	QL	0.0093	0.0093		0.0093	0.0093	0.0093				



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

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0296	0.0296	MGD					0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX							1/Month	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.3		7.3	SU	0	1 Month	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX			1/Month	GRAB
	QL										
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement				16		16	MG/L	0	1 Month	GRAB
	Permit Requirement				100 01DAMX		30 01MOAV			1/Month	GRAB
	QL										
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement						<5	MG/L	0	1 Month	GRAB
	Permit Requirement						10 01MOAV			1/Month	GRAB
	QL										
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement						<1	MG/L	0	1 Month	GRAB
	Permit Requirement						REPORT 01MOAV			1/Month	GRAB
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003		PA051				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 09/01/2017 - 09/30/2017

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	23.9	25.2	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	31.8	33.1	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	7.8	9.1	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



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

PI: 46814
Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	23.9	25.2	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	31.2	33.0	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	7.3	8.5	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2830	2856	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	3024	REPORT		*****	*****	*****			1/Day	CALCTD
	Requirement QL	01MOAV	01DAMX		*****	*****	*****				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	13966	14565	MBTU/HR	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT	30600		*****	*****	*****			1/Day	CALCTD
	Requirement QL	01MOAV	01DAMX		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003		PA051				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	Requirement QL	Lab #	Lab #		Lab #	Lab #	Lab #				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 048C SW Outfall 48C
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.2627	0.3523	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	10	12	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	30 01MOAV	100 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	16	17	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	35 01MOAV	70 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	2 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX			2/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	4	4	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



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

PI: 46814
Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 09/01/2017 - 09/30/2017

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	485	509	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	8.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****			2/Year	COMPOS
	QL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	31.8	35.2	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 09/01/2017 - 09/30/2017

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	481	482	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0	*****	9.0			1/Week	GRAB
	QL	*****	*****		01DAMN	*****	01DAMX				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	8.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cypripodon TANGA 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN 50	*****	*****			2/Year	COMPOS
	AL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3	0.5			3/Week	GRAB
	QL	*****	*****		*****	01MOAV	01DAMX				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	32.0	33.9	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	485	487	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.5	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	8.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	31.5	33.4	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



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

PI: 46814
Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	505	509	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.5	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	8.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	31.4	35.7	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



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

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

DSN 485A sampling for CPOX options 1 & 2 was not performed on 9/1/2017 due to sample standpipe bring isolated for plant maintenance

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	494	495	MGD	7.5	7.7			0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX								
	Requirement QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.5	7.7		SU	0	1 Week	GRAB
	Permit Requirement				6.0	9.0					
	Requirement QL				01DAMN	01DAMX					
pH 00400 7 Intake From Stream	Sample Measurement				7.7	8.7		SU	0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN	REPORT 01DAMX					
	Requirement QL										
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement				CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement				REPORT 01DAMN						
	Requirement AL				50						
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement				0.3	0.5					
	Requirement QL				01MOAV	01DAMX					
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1	<0.1		MG/L	0	3 Week	GRAB
	Permit Requirement				REPORT 01MOAV	0.2					
	Requirement QL										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				31.4	33.6		DEG.C	0	1 Day	CONTIN
	Permit Requirement				REPORT 01MOAV	REPORT 01DAMX					
	Requirement QL										
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003		PA051				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	Requirement QL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	119.8	126.7	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	499	500	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.5	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	8.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not RequiredE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	31.0	35.1	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



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

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0093	0.0093	MGD	*****	*****	*****	*****	0	1 Batch	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Batch	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	6.5	*****	6.5	SU	0	1 Batch	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Batch	GRAB
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	6	6	MG/L	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	100 01DAMX			1/Batch	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	23.4	23.4	DEG.C	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	43.3 01DAMX			1/Batch	GRAB
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15 01DAMX			1/Batch	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<1	<1	MG/L	0	1 Batch	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			1/Batch	GRAB
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 09/01/2017 - 09/30/2017

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 09/01/2017 To 09/30/2017
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 7/1/2017

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 09/01/2017 - 09/30/2017

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0296	0.0296	MGD	*****	*****	*****	*****	0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Month	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.3	*****	7.3	SU	0	1 Month	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	16	16	*****	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		100 01DAMX	30 01MOAV	*****			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<1	<1	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	17327	06003	*****	PA051			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. GETTING YOUR SHIPMENT TO UPS

Customers with a Daily Pickup

Your driver will pickup your shipment(s) as usual.

Customers without a Daily Pickup

Take your package to any location of The UPS Store®, UPS Access Point™ location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.

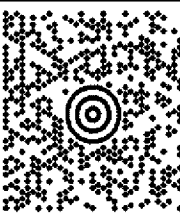
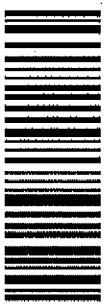
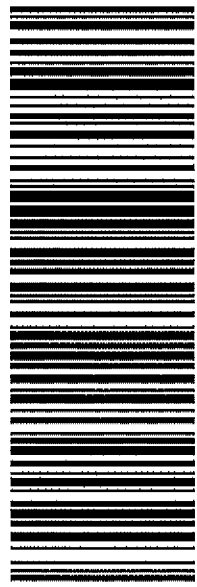
Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages. Hand the package to any UPS driver in your area.

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NEWARK, NJ 07102

UPS Access Point™
DCG UNITED PRINT CENTER LLC
195 CENTRAL AVE
NEWARK, NJ 07103

UPS Access Point™
PHARMACY PLUS SURGICALSUPPLIES
236 HARRISON AVE
HARRISON, NJ 07029

FOLD HERE

KIERAN BROWN 973-430-5669 PSEG GENERAL OFFICE 80 PARK PLAZA NEWARK, NJ 07102		1.0 LBS LTR	1 OF 1
SHIP TO: NJDEP BUREAU OF RELEASE PREVENTION MAILCODE 22-03D 401 EAST STATE STREET TRENTON NJ 08608-1501			
		NJ 086 0-04 	
UPS NEXT DAY AIR TRACKING #: 1Z 8Y4 17F NT 9710 2582			
			
BILLING: P/P ATTENTION UPS DRIVER: SHIPPER RELEASE			
Performance Improvement: 1862 Bill To Cost Center / Plant Code: 1862 CS 20.042 WNTNV50 99 0A 04/2018			

Kieran Alexandra Brown
Assistant General Environmental Counsel

Law Department
80 Park Plaza, T-17, Newark, New Jersey 07102-4194
tel: 973.430.6124 fax: 973-802-1267
email: kieran.brown@pseg.com



April 26, 2018

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

Re: Financial Responsibility Documents
Financial Test of Self-Insurance
PSEG Fossil LLC
PSEG Nuclear LLC

Ladies and Gentlemen:

Enclosed are an original and seven copies of updated financial responsibility documents pursuant to N.J.A.C. 7:1E-4.4. The enclosed Chief Financial Officer's Letter specifies the eight major facilities that are covered.

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

Sincerely,

A handwritten signature in black ink, appearing to read "K.A. Brown", with a long horizontal flourish extending to the right.

Kieran A. Brown

Enclosures

LETTER FROM EXECUTIVE VICE PRESIDENT AND CHIEF FINANCIAL OFFICER

I am the Executive Vice President and Chief Financial Officer of PSEG Power LLC, 80 Park Plaza, Newark, New Jersey 07102. This letter is in support of the use of the financial test of self-insurance and/or guarantee to demonstrate financial responsibility for cleanup and removal activities arising from operating:

Bergen Generating Station
Victoria Terrace
Ridgefield, New Jersey 07657;

Kearny Generating Station
Foot of Hackensack Avenue
Kearny, New Jersey 07032;

Essex Generating Station
155 Raymond Boulevard
Newark, New Jersey 07105;

Linden Generating Station
Grasselli Area of Wood Avenue South
Linden, New Jersey 07036;

Sewaren Generating Station
751 Cliff Road
Sewaren, New Jersey 07077-1439;

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

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

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

in the amount of at least One Million Dollars (\$1,000,000) per occurrence per facility, and Two Million Dollars (\$2,000,000) annual aggregate per facility.

A financial test is also used by this owner or operator to demonstrate evidence of financial responsibility in the following amounts under the following EPA or State rules or regulations (i.e., RCRA, ECRA, UST, etc.):

N/A


This owner or operator has not received an adverse opinion, a disclaimer of opinion, or a going concern qualification from an independent auditor on his or her financial statements for the latest completed fiscal year.

ALTERNATIVE I

	(Millions)
1. Amount of annual DCR aggregate coverage being assured by a financial test and/or guarantee	\$ <u>16</u>
2. Amount of annual aggregate coverage for all other Federal or State regulatory costs (i.e. RCRA, ECRA, UST, etc.) covered by a financial test, and/or guarantee	\$ <u>0</u>
3. Sum of lines 1 and 2	\$ <u>16</u>
4. Total tangible assets	\$ <u>12,288</u>
5. Total liabilities [if any of the amount reported on line 3 is included in total liabilities, you may deduct that amount from this line and add that amount to line 6]	\$ <u>6,451</u>
6. Tangible net worth [subtract line 5 from line 4]	\$ <u>5,837</u>

	<u>YES</u>	<u>NO</u>
7. Is line 6 at least \$10 million?	<u>X</u>	<u> </u>
8. Is line 6 at least 10 times line 3?	<u>X</u>	<u> </u>
9. Have financial statements for the latest fiscal year been filed with the Securities Exchange Commission?	<u>X</u>	<u> </u>
10. Have financial statements for the latest fiscal year been filed with the Energy Information Administration?	<u> </u>	<u>X</u>
11. Have financial statements for the latest fiscal year been filed with the Rural Utilities Services or the Board of Public Utilities?	<u> </u>	<u>X</u>
12. Has financial information been provided to Dun and Bradstreet, and has Dun and Bradstreet provided a financial strength rating of 4A or 5A? [Answer Yes only if both criteria have been met]	<u> </u>	<u>X</u>

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


 Daniel J. Cregg
 Executive Vice President and
 Chief Financial Officer

Date: April 25, 2018

GUARANTEE

Guarantee made this April 25, 2018 by PSEG Power LLC, a business entity organized under the laws of the State of Delaware, herein referred to as Guarantor, to the New Jersey Department of Environmental Protection ("Department") and to any and all third parties, and obligees, on behalf of its wholly owned operating subsidiaries, PSEG Fossil LLC, which operates the Bergen, Burlington, Essex, Kearny, Linden, and Sewaren Generating Stations and PSEG Nuclear LLC, which operates Hope Creek and Salem Generating Stations, of 80 Park Plaza, Newark, New Jersey 07101.

- (1) Guarantor meets or exceeds the financial test criteria of N.J.A.C. 7:1E-4.4(g) and agrees to comply with the requirements for guarantors as specified in N.J.A.C. 7:1E-4.4(h).
- (2) PSEG Fossil LLC, a wholly owned subsidiary of Guarantor, operates the following major facilities covered by this guarantee:

Bergen Generating Station
Victoria Terrace
Ridgefield, New Jersey 07657;

Kearny Generating Station
Foot of Hackensack Avenue
Kearny, New Jersey 07032;

Essex Generating Station
155 Raymond Boulevard
Newark, New Jersey 07105;

Linden Generating Station
Grasselli Area of Wood Avenue South
Linden, New Jersey 07036;

Sewaren Generating Station
751 Cliff Road
Sewaren, New Jersey 07077-1439; and

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

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

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

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

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

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

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

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


- (4) Guarantor agrees that if, at the end of any fiscal year before cancellation of this guarantee, the Guarantor fails to meet the financial test criteria of N.J.A.C. 7:1E-4.4(g), Guarantor shall send within 120 days of such failure, by certified mail, notice to PSEG Fossil LLC and PSEG Nuclear LLC and the Department. The guarantee will terminate 120 days from the date of receipt of the notice by PSEG Fossil LLC and PSEG Nuclear LLC or 120 days from the date of receipt of the notice by the Department, whichever is later, as evidenced by the return receipt.
- (5) Guarantor agrees to notify PSEG Fossil LLC and PSEG Nuclear LLC by certified mail of a voluntary or involuntary proceeding under Title 11 (Bankruptcy), U.S. Code, naming Guarantor as debtor, within 10 days after commencement of the proceeding.
- (6) Guarantor agrees to remain bound under this guarantee notwithstanding any modification or alteration of any obligation of PSEG Fossil LLC or PSEG Nuclear LLC, pursuant to N.J.A.C. 7:1E.
- (7) Guarantor agrees to remain bound under this guarantee for so long as PSEG Fossil LLC or PSEG Nuclear LLC must comply with the applicable financial responsibility requirements of N.J.A.C. 7:1E-4.4 for the above-identified facilities, except that Guarantor may cancel this guarantee by sending notice by certified mail to PSEG Fossil LLC and PSEG Nuclear LLC, and the Department, such cancellation to become effective no earlier than 120 days after receipt of such notice by PSEG Fossil LLC and PSEG Nuclear LLC, or 120 days from the date of receipt of the notice by the Department, whichever is later, as evidenced by the return receipt.
- (8) The Guarantor's obligation does not apply to any of the following:

- (a) Any obligation of PSEG Fossil LLC or PSEG Nuclear LLC under a worker's compensation, disability benefits, or unemployment compensation law or other similar law;
 - (b) Bodily injury to an employee of PSEG Fossil LLC or PSEG Nuclear LLC arising from, and in the course of, employment by PSEG Fossil LLC or PSEG Nuclear LLC.
 - (c) Bodily injury or property damage not related to a discharge arising from the ownership, maintenance, use, or entrustment to others of any aircraft, motor vehicle, or watercraft;
 - (d) Property damage to any property owned, rented, loaned to, in the care, custody, or control of, or occupied by PSEG Fossil LLC or PSEG Nuclear LLC that is not the direct result of a discharge from the facility;
 - (e) Bodily damage or property damage for which PSEG Fossil LLC or PSEG Nuclear LLC is obligated to pay damages by reason of the assumption of liability in a contract or agreement other than a contract or agreement entered into to meet the requirements of N.J.A.C. 7:1E-4.4.
- (9) Guarantor expressly waives notice of acceptance of this guarantee by the Department or by PSEG Fossil LLC or PSEG Nuclear LLC.

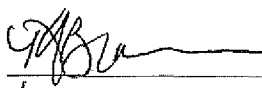
I hereby certify that the wording of this guarantee is identical to the wording specified in Appendix B of N.J.A.C. 7:1E as such rules were constituted on the effective date shown immediately below.

Effective date: April 26, 2018

PSEG Power LLC



Daniel J. Cregg
Executive Vice President and Chief Financial Officer

Signature of witness or notary: 

Kieran A. Brown
Attorney-at-Law, State of New Jersey



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF RELEASE PREVENTION
P.O. Box 420, Mail Code 22-03D
22 South Clinton Avenue

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

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

May 1, 2018

Kieran Alexandra Brown
Assistant General Environmental Counsel
PSEG Services Corporation
80 Park Plaza, T-17
Newark, NJ 07102

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

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

Dear Mr. Brown:

Thank you for the financial responsibility document submittal, received April 27, 2018, for the above-identified facilities.

This updated financial document has been included in the department's copy of the DPCC/DCR plan for each facility. Since this document is part of an approved DPCC/DCR plan, each facility must also keep a copy on site at all times as required by N.J.A.C. 7:1E-4.6(g).

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

Respectfully,

Roy Soong
Environmental Engineer 3
Bureau of Release Prevention

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/30/2018

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

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622

Monitoring Period: 01/01/2018 To 01/31/2018

Monitored Location: FACA SW Outfall FACA

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 1/30/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/influent	Sample Measurement	*****	*****	*****	*****	1.2	3.3	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	10.2	13.6	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	43.3 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	9.0	10.6	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/30/2018

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

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2018 To 01/31/2018
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/30/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	1.2	3.3	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	10.0	12.6	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	43.3 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	8.8	10.1	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622

Monitoring Period: 01/01/2018 To 01/31/2018

Monitored Location: FACC SW Outfall FACC

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/influent	Sample Measurement	2682	2856	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	3024	REPORT		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	15187	15779	MBTU/HR	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT	30600		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2018 To 01/31/2018
Monitored Location: 048C SW Outfall 48C
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.3126	0.4361	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	4	6	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	30 01MOAV	100 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	13	20	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	35 01MOAV	70 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	2 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX			2/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	6	6	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2018 To 01/31/2018
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	452	493	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.3	*****	8.1	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	6.7	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN 50	*****	*****			2/Year	COMPOS
	AL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	11.3	18.4	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2018 To 01/31/2018
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	467	479	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.0	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	6.7	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****			2/Year	COMPOS
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	9.8	15.4	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2018 To 01/31/2018
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	446	476	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	6.9	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	6.7	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not RequiredE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	10.2	15.6	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2018 To 01/31/2018
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	476	493	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.2	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0	*****	9.0			1/Week	GRAB
	QL	*****	*****		01DAMN	*****	01DAMX				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	6.7	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****			2/Year	COMPOS
	QL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3	0.5			3/Week	GRAB
	QL	*****	*****		*****	01MOAV	01DAMX				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2			3/Week	GRAB
	QL	*****	*****		*****	01DAMX	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	9.8	17.7	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2018 To 01/31/2018
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	465	492	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.3	*****	8.0	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0	*****	9.0				
	QL	*****	*****		01DAMN	*****	01DAMX				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	6.7	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	QL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3	0.5				
	QL	*****	*****		*****	01MOAV	01DAMX				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2				
	QL	*****	*****		*****	01DAMX	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	9.7	14.3	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 999999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2018 To 01/31/2018
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	63.6	64.8	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	439	488	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.2	*****	8.0	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	6.7	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Req E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	11.3	17.2	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2018 To 01/31/2018
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 01/01/2018 To 01/31/2018
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0132	0.0132	MGD	*****	*****	*****	*****	0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Month	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.0	*****	7.0	SU	0	1 Month	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	3	3	*****	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		100 01DAMX	30 01MOAV	*****			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	2	2	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7015 1730 0001 1594 6677

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 February 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

EXPLANATION OF CONDITIONS

February 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

February 2018

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

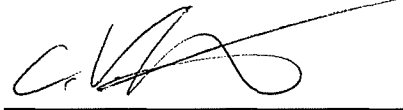
EXPLANATION

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



Charles V. Mcfeaters
Site Vice President – Salem

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7015 1730 0001 1594 6462

Steven J Tambini
Executive Director
DRBC
P.O. Box 7360
West Trenton, N.J. 08628

**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 February 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 USNRC - Docket numbers 50-272 & 50-311

EXPLANATION OF CONDITIONS

February 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

February 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.

A handwritten signature in black ink, appearing to read 'C. V. Mcfeaters', is written over a horizontal line.

Charles V. Mcfeaters
Site Vice President – Salem



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/30/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 02/01/2018 - 02/28/2018

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: 02/01/2018 To 02/28/2018
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check If Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/30/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 02/01/2018 - 02/28/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	4.7	8.7	DEG C	0	Continuous	CONTIN
	Permit Requirement	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG C		Continuous	CONTIN
	QL	*****	*****	*****	*****	*****	*****	DEG C			
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	13.1	17.0	DEG C	0	Continuous	CONTIN
	Permit Requirement	*****	*****	*****	*****	REPORT 01MOAV	43.3 01DAMX	DEG C		Continuous	CONTIN
	QL	*****	*****	*****	*****	*****	*****	DEG C			
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	8.4	9.7	DEG C	0	1 Day	CALCTD
	Permit Requirement	*****	*****	*****	*****	REPORT 01MOAV	15.3 01DAMX	DEG C		1/Day	CALCTD
	QL	*****	*****	*****	*****	*****	*****	DEG C			
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #	*****	REPORT Lab #	REPORT Lab #	REPORT Lab #	*****		Not Applic	NOT AP
	QL	*****	*****	*****	*****	*****	*****	*****			



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

PI: 46814
Shell Generation Date: 1/30/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 02/01/2018 - 02/28/2018

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: 02/01/2018 To 02/28/2018
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/30/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 02/01/2018 - 02/28/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	4.7	8.7	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	12.7	16.5	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	43.3 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	8.0	9.7	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALOTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 02/01/2018 - 02/28/2018

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: 02/01/2018 To 02/28/2018
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 02/01/2018 - 02/28/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2804	2856	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	3024 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	14649	15729	MBTU/HR	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	30600 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 02/01/2018 - 02/28/2018

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622

Monitoring Period: 02/01/2018 To 02/28/2018

Monitored Location: 048C SW Outfall 48C

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Additional set of samples were taken on 2/15/2018, results have been incorporated into the MRF as required.

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 02/01/2018 - 02/28/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.3574	0.6446	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	8	10	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	30 01MOAV	100 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	14	18	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	35 01MOAV	70 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	6	12	MG/L	0	2 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX			2/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	6	10	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 02/01/2018 - 02/28/2018

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: 02/01/2018 To 02/28/2018
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 02/01/2018 - 02/28/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	486	495	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.3	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.2	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****		2/Year	COMPOS	
	QL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	13.6	22.2	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327	*****	*****	*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 02/01/2018 - 02/28/2018

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622

Monitoring Period: 02/01/2018 To 02/28/2018

Monitored Location: 482A SW Outfall 482A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 1/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 02/01/2018 - 02/28/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	464	479	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT	REPORT		*****	*****	*****				
	Requirement	01MOAV	01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.3	*****	7.5	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0	*****	9.0				
	Requirement	*****	*****		01DAMN	*****	01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.2	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT	*****	REPORT				
	Requirement	*****	*****		01DAMN	*****	01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT	*****	*****				
	Requirement	*****	*****		01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3	0.5				
	Requirement	*****	*****		*****	01MOAV	01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT	0.2				
	Requirement	*****	*****		*****	01MOAV	01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	12.9	19.6	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT	REPORT				
	Requirement	*****	*****		*****	01MOAV	01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327	*****	*****	*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #				
	QL	*****	*****		*****	*****	*****				



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

Pl: 46814
Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 02/01/2018 - 02/28/2018

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: 02/01/2018 To 02/28/2018
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 02/01/2018 - 02/28/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	469	475	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.2	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.2	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	13.0	19.1	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



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

Pl: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 02/01/2018 - 02/28/2018

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: 02/01/2018 To 02/28/2018
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

CPOX sample not obtained for this outfall on 2/28/2018, due to the installaton of bioassay sampling equipment.

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 02/01/2018 - 02/28/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	472	494	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.2	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.2	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****			2/Year	COMPOS
	QL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		0.3 01MOAV	*****	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	12.7	17.8	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



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

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 02/01/2018 - 02/28/2018

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: 02/01/2018 To 02/28/2018

Monitored Location: 485A SW Outfall 485A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

CPOX samples and Outfall pH effluent gross samples not obtained for this outfall from 2/20/2018 thru 2/28/2018 due to sample stand pipe being removed from service for maintenance.

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 02/01/2018 - 02/28/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	490	492	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
	AL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.6	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
	AL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.2	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
	AL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	QL	*****	*****		50	*****	*****				
	AL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
	AL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
	AL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	12.6	17.8	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
	AL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327	*****	*****	*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				
	AL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 02/01/2018 - 02/28/2018

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2018 To 02/28/2018
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 02/01/2018 - 02/28/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	63.8	67.8	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	486	489	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.2	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.2	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Req E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		0.3 01MOAV	*****	0.5 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	12.9	17.6	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327	*****	*****	*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				



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

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 02/01/2018 - 02/28/2018

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2018 To 02/28/2018
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 02/01/2018 - 02/28/2018

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: 02/01/2018 To 02/28/2018
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 02/01/2018 - 02/28/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0986	0.0986	MGD	*****	*****	*****	*****	0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Month	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	6.2	*****	6.2	SU	0	1 Month	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX		1/Month	GRAB	
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	4	4	*****	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		100 01DAMX	30 01MOAV	*****		1/Month	GRAB	
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX		1/Month	GRAB	
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	2	2	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX		1/Month	GRAB	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7015 1730 0001 1594 6493

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 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

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.

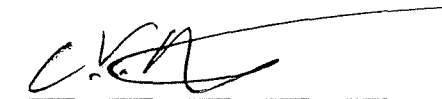
EXPLANATION

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.

A handwritten signature in black ink, appearing to read 'C.V. Mcfeaters', is written over a horizontal line.

Charles V. Mcfeaters
Site Vice President – Salem

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7015 1730 0001 1594 6486

Steven J Tambini
Executive Director
DRBC
P.O. Box 7360
West Trenton, N.J. 08628

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

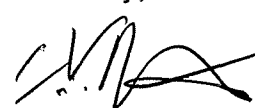
Dear Sir:

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 USNRC - Docket numbers 50-272 & 50-311

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.

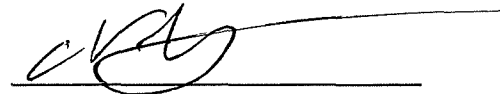
EXPLANATION

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.

A handwritten signature in black ink, appearing to be 'C. Mcfeaters', written over a horizontal line.

Charles V. Mcfeaters
Site Vice President – Salem



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/30/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2018 To 03/31/2018
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/30/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	6.5	9.2	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	15.0	18.2	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	43.3 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	8.5	11.6	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327	CT405		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		*****	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/30/2018

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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2018 To 03/31/2018
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/30/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	6.5	9.2	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	14.5	17.0	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	43.3 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	8.0	8.0	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327	CT405		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2018 To 03/31/2018
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2789	2856	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	3024	REPORT		*****	*****	*****			1/Day	CALCTD
	01MOAV	01DAMX	*****		*****	*****					
	QL	*****	*****		*****	*****	*****				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	14604	15164	MBTU/HR	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT	30600		*****	*****	*****			1/Day	CALCTD
	01MOAV	01DAMX	*****		*****	*****					
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051		17327	CT405			0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	Lab #	Lab #	Lab #		Lab #	Lab #					
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2018 To 03/31/2018
Monitored Location: 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

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.3024	0.4452	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT	REPORT		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	8	10	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	30	100			2/Month	COMPOS
	QL	*****	*****		*****	01MOAV	01DAMX				
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	15	20	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	35	70			2/Month	COMPOS
	QL	*****	*****		*****	01MOAV	01DAMX				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	2 Month	GRAB
	Permit Requirement	*****	*****		*****	10	15			2/Month	GRAB
	QL	*****	*****		*****	01MOAV	01DAMX				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	2	4	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	REPORT	50			2/Month	COMPOS
	QL	*****	*****		*****	01MOAV	01DAMX				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327	CT405		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2018 To 03/31/2018
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 1/1/2018

Surface Water Discharge Monitoring Report

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	453	497	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****			1/Day	CALCTD
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.6	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.8	*****	8.0	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****			2/Year	COMPOS
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	16.1	24.7	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327	CT405		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2018 To 03/31/2018
Monitored Location: 482A SW Outfall 482A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, in Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	456	479	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
					*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.7	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
					*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.8	*****	8.0	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
					*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
					*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
					*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
					*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	15.0	25.7	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
					*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327	CT405		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				
					*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2018 To 03/31/2018
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	471	478	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.6	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.8	*****	8.0	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Req E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	14.4	19.1	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327	CT405		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2018 To 03/31/2018
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 1/1/2018

Surface Water Discharge Monitoring Report

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	493	495	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.6	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.8	*****	8.0	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	>100	*****	*****	%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Req E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	14.1	17.2	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327	CT405		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



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

PI: 46814

Shell Generation Date: 1/1/2018

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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2018 To 03/31/2018
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	492	492	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.7	*****	7.9	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.8	*****	8.0	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
LC50 Stare 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****		2/Year	COMPOS	
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	14.2	17.3	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327	CT405		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2018 To 03/31/2018
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 1/1/2018

Surface Water Discharge Monitoring Report

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	64.2	70.9	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	488	490	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.6	*****	8.0	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.8	*****	8.0	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	15.2	18.3	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327	CT405		*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2018 To 03/31/2018
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 03/01/2018 To 03/31/2018
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 1/1/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0557	0.0557	MGD	*****	*****	*****	*****	0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Month	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.1	*****	7.1	SU	0	1 Month	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	12	12	*****	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		100 01DAMX	30 01MOAV	*****			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	3	3	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051		17327	CT405			0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Waste Characterization Report

PI: 46814

Shell Generation Date: 1/1/2018

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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 02/01/2018 To 07/31/2018
Monitored Location: 048C SW Outfall 48C
Monitored Location Group: N/A
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 1/1/2018

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) 03/13/2018

Waste Characterization Data:				
Parameter	Reported Value	Units	Remark Code	Sample Type
Sulfate, Total (as SO ₄) 00945 1 Effluent Gross Value	1380000	UG/L	S Laboratory test	GRAB
Boron, Total (as B) 01022 1 Effluent Gross Value	378	UG/L	S Laboratory test	GRAB
Dichlorobromomethane 32101 1 Effluent Gross Value	40.0	UG/L	S Laboratory test	GRAB
Bromoform 32104 1 Effluent Gross Value	31.7	UG/L	S Laboratory test	GRAB
Chloroform 32106 1 Effluent Gross Value	101	UG/L	S Laboratory test	GRAB
Acrylonitrile 34215 1 Effluent Gross Value	<4	UG/L	analyzed for but not detected	GRAB
Chlorodibromomethane 34306 1 Effluent Gross Value	39.4	UG/L	S Laboratory test	GRAB
Lab Certification # 99999 99 Lab	06003			NOT AP
Lab Certification # 99999 99 Lab	PA051			NOT AP
Lab Certification # 99999 99 Lab	17327			NOT AP
Lab Certification # 99999 99 Lab	CT405			NOT AP
Lab Certification # 99999 99 Lab				NOT AP

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7015 1730 0001 1594 6523

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**

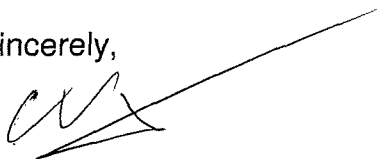
Dear Sir:

Attached is a copy of the Discharge Monitoring Report for the Salem Generating Station for the month of April 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

EXPLANATION OF CONDITIONS

April 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

April 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

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7015 1730 0001 1594 6516

Steven J Tambini
Executive Director
DRBC
P.O. Box 7360
West Trenton, N.J. 08628

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

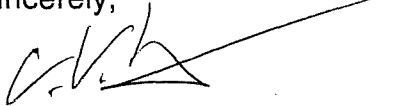
Dear Sir:

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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 USNRC - Docket numbers 50-272 & 50-311

EXPLANATION OF CONDITIONS

April 2018

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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

April 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.

A handwritten signature in black ink, appearing to be 'C. Mcfeaters', is written over a horizontal line.

Charles V. Mcfeaters
Site Vice President – Salem



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

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 04/01/2018 - 04/30/2018

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: 04/01/2018 To 04/30/2018
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 04/01/2018 - 04/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	11.0	14.6	DEG C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	19.3	22.6	DEG C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	43.3 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	8.2	9.4	DEG C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



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

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 04/01/2018 - 04/30/2018

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: 04/01/2018 To 04/30/2018
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 04/01/2018 - 04/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	11.0	14.6	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	19.1	22.6	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	43.3 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	8.1	8.4	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



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

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 04/01/2018 - 04/30/2018

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: 04/01/2018 To 04/30/2018
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 04/01/2018 - 04/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2832	2856	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	9024 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	14830.2	15489.4	MBTU/HR	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	30600 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



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

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 04/01/2018 - 04/30/2018

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: 04/01/2018 To 04/30/2018
Monitored Location: 048C SW Outfall 48C
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 04/01/2018 - 04/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.3079	0.4400	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	4	5	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	30 01MOAV	100 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	16	25	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	35 01MOAV	70 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	2 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX			2/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	4	5	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



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

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

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 04/01/2018 - 04/30/2018

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: 04/01/2018 To 04/30/2018
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 04/01/2018 - 04/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	487	495	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.1	*****	7.8	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.0	*****	8.5	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****		2/Year	COMPOS	
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	19.8	26.9	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				



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

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 04/01/2018 - 04/30/2018

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: 04/01/2018 To 04/30/2018

Monitored Location: 482A SW Outfall 482A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 04/01/2018 - 04/30/2018

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, in Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	464	479	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.1	7.7		SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	9.0 01DAMX				1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.0	8.5		SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	REPORT 01DAMX				1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****			2/Year	COMPOS
	QL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, cC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	19.2	24.8	DEG C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



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

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

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 04/01/2018 - 04/30/2018

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: 04/01/2018 To 04/30/2018
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 04/01/2018 - 04/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	473	477	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	Requirement	*****	*****		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.1	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0	*****	9.0		1/Week	GRAB	
	Requirement	*****	*****		01DAMN	*****	01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.0	*****	8.5	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX		1/Week	GRAB	
	Requirement	*****	*****		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not ReqE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3	0.5		3/Week	GRAB	
	Requirement	*****	*****		*****	01MOAV	01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2		3/Week	GRAB	
	Requirement	*****	*****		*****	01DAMX	*****				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	19.0	23.1	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	Requirement	*****	*****		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	Requirement	*****	*****		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				



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

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

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 04/01/2018 - 04/30/2018

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: 04/01/2018 To 04/30/2018
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 04/01/2018 - 04/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant S0050 1 Effluent Gross Value	Sample Measurement	500	502	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALGTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.0	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.0	*****	8.5	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****			2/Year	COMPOS
	QL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	18.7	23.4	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



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

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

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 04/01/2018 - 04/30/2018

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: 04/01/2018 To 04/30/2018
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

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

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 04/01/2018 - 04/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	493	493	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.0	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.0	*****	8.5	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	CODE=N Not Required	*****	*****	*****	%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****		2/Year	COMPOS	
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	18.8	23.4	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				



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

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

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 04/01/2018 - 04/30/2018

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: 04/01/2018 To 04/30/2018
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

PI: 46814

Shell Generation Date: 4/1/2018

Surface Water Discharge Monitoring Report

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 04/01/2018 - 04/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	76.9	84.5	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	492	495	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.0	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.0	*****	8.5	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not ReqE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	19.8	23.8	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	*****	*****		*****	*****	*****		*****		
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****		*****		



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

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 04/01/2018 - 04/30/2018

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: 04/01/2018 To 04/30/2018
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 04/01/2018 - 04/30/2018

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: 04/01/2018 To 04/30/2018

Monitored Location: 489A SW Outfall 489A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 04/01/2018 - 04/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0320	0.0320	MGD	*****	*****	*****	*****	0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Month	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	6.4	*****	6.4	SU	0	1 Month	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	6	6	*****	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		100 01DAMX	30 01MOAV	*****			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<10	<10	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	06003	PA051		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				

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

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 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)

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.

A handwritten signature in black ink, appearing to read 'C.V. Mcfeaters', is written over a horizontal line.

Charles V. Mcfeaters
Site Vice President – Salem

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7015 1730 0001 1594 6530

Steven J Tambini
Executive Director
DRBC
P.O. Box 7360
West Trenton, N.J. 08628

**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)

C USNRC - Docket numbers 50-272 & 50-311

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.

A handwritten signature in black ink, appearing to be 'C. Mcfeaters', written over a horizontal line.

Charles V. Mcfeaters
Site Vice President – Salem



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

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

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

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: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/influent	Sample Measurement	*****	*****	*****	*****	24.5	27.0	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	32.3	35.0	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	7.8	9.0	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.9 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification #	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
99999 99	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
Lab	QL	*****	*****		*****	*****	*****				



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

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

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 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: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	24.5	27.0	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	32.8	35.6	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	8.4	10.0	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.9 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 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: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check If Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2724	2856	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	3024	REPORT		*****	*****	*****			1/Day	CALOTD
	QL	*****	*****		*****	*****	*****				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	14354	14644	MBTU/HR	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT	30600		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

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

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.3130	0.4985	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	13	17	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	30 01MOAV	100 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	18	24	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	35 01MOAV	70 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	2 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX			2/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	8	11	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 4/1/2018

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

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2018 To 06/30/2018
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	509	510	MGD					0	1 Day	CALCTD
	Requirement	REPORT	REPORT								
	Requirement	0.1MOAV	0.1DAMX								
	Requirement										
pH 00400 1 Effluent Gross Value	Sample Measurement			SU	7.3		7.4	SU	0	1 Week	GRAB
	Requirement										
	Requirement				0.1DAMN		0.1DAMX				
	Requirement										
pH 00400 7 Intake From Stream	Sample Measurement			SU	7.0		7.8	SU	0	1 Week	GRAB
	Requirement										
	Requirement				0.1DAMN		0.1DAMX				
	Requirement										
LC50 Stalre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement			GDE=N	Not Required			GDE=N	0	2 Year	COMPOS
	Requirement										
	Requirement				REPORT						
	Requirement				0.1DAMN						
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 1	Sample Measurement			GDE=N	Not Required			GDE=N	0	3 Week	GRAB
	Requirement										
	Requirement				0.3		0.5				
	Requirement				0.1MOAV		0.1DAMX				
Chlorine Produced Oxidants CPOX 1 Effluent Gross Value 2	Sample Measurement			GDE=N	<0.1			GDE=N	0	3 Week	GRAB
	Requirement										
	Requirement				REPORT		0.5				
	Requirement				0.1MOAV		0.1DAMX				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement			GDE=N	32.7		36.4	GDE=N	0	1 Day	CONTIN
	Requirement										
	Requirement				REPORT		REPORT				
	Requirement				0.1MOAV		0.1DAMX				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	GDE=N	17327			GDE=N	0	Not Applic	NOT AP
	Requirement										
	Requirement	REPORT	REPORT		REPORT		REPORT				
	Requirement	Lab #	Lab #		Lab #		Lab #				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number:

NJ0005622

Monitoring Period:

06/01/2018 To 06/30/2018

Monitored Location:

482A SW Outfall 482A

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable:

☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1	Sample Measurement	442	482						0	1 Day	CALCTD
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01BAMX	MGD						1/Day	CALCTD
	GL										
pH	Sample Measurement				7.3		7.4		0	1 Week	GRAB
00400 1	Permit Requirement				6.0		8.0	SU		1/Week	GRAB
Effluent Gross Value	GL				01BAMN		01BAMX				
pH	Sample Measurement				7.0		7.8		0	1 Week	GRAB
00400 7	Permit Requirement				REPORT 01BAMN		REPORT 01BAMX	SU		1/Week	GRAB
Intake From Stream	GL										
LC50 Statre 96hr Acu Cyprinodon : TAN6A 1	Sample Measurement				CODE=N Not Required				0	2 Week	COMPOS
Effluent Gross Value	Permit Requirement				REPORT 01BAMN			%EPL		2/Year	COMPOS
	GL				50						
Chlorine Produced Oxidants *CPOX 1	Sample Measurement				CODE=N Not Req E=N Not Required				0	3 Week	GRAB
Effluent Gross Value 1	Permit Requirement				0.3		0.5	MG/L		3/Week	GRAB
	GL				01MOAV		01BAMX				
Chlorine Produced Oxidants *CPOX 1	Sample Measurement				<0.1		<0.1		0	3 Week	GRAB
Effluent Gross Value 2	Permit Requirement				REPORT 01MOAV		0.2	MG/L		3/Week	GRAB
	GL										
Temperature, oC	Sample Measurement				32.2		36.4		0	1 Day	CONTIN
00010 1	Permit Requirement				REPORT 01MOAV		REPORT 01BAMX	DEGC		1/Day	CONTIN
Effluent Gross Value	GL										
Lab Certification #	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
99999 99	Permit Requirement	REPORT LAB #	REPORT LAB #		REPORT LAB #		REPORT LAB #			Not Applic	NOT AP
Lab	GL										



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number:

NJ0005622

Monitoring Period:

06/01/2018 To 06/30/2018

Monitored Location:

483A SW Outfall 483A

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	474	487	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT 01MDAY	REPORT 01DAMX								
	GL										
pH 00400 1 Effluent Gross Value	Sample Measurement				7.2		7.5	SU	0	1 Week	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX				
	GL										
pH 00400 7 Intake From Stream	Sample Measurement				7.0		7.8	SU	0	1 Week	GRAB
	Permit Requirement				REPORT 01DAMN		REPORT 01DAMX				
	GL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement				CODE=N Not Req E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement				0.3 01MDAY		0.5 01DAMX				
	GL										
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement				<0.1		<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement				REPORT 01MDAY		0.2 01DAMX				
	GL										
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement				32.0		35.5	DEG.C	0	1 Day	CONTIN
	Permit Requirement				REPORT 01MDAY		REPORT 01DAMX				
	GL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	GL										



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

PI: 46814

Shell Generation Date: 4/1/2018

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

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number:

NJ0005622

Monitoring Period:

06/01/2018 To 06/30/2018

Monitored Location:

484A SW Outfall 484A

Monitored Location Group:

Region / County:

Southern / Salem

Check if Applicable:

☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1	Sample Measurement	509	509						0	1 Day	CALCTD
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01BAMX	MGD						1 Day	CALCTD
pH	Sample Measurement				7.3		7.5		0	1 Week	GRAB
00400 1	Permit Requirement				REPORT 01BAMN		REPORT 01BAMX	SD		1/Week	GRAB
Effluent Gross Value	Permit Requirement										
pH	Sample Measurement				7.0		7.8		0	1 Week	GRAB
00400 7	Permit Requirement				REPORT 01BAMN		REPORT 01BAMX	SD		1/Week	GRAB
Intake From Stream	Permit Requirement										
LC50 Statre 96hr Acu Cyprinodon TAN6A 1	Sample Measurement				BDE=N Not Required				0	2 Year	COMPOS
Effluent Gross Value	Permit Requirement				REPORT 01BAMN			EFFL		2 Year	COMPOS
Chlorine Produced Oxidants *CPOX 1	Sample Measurement				BDE=N Not Required E=N Not Required				0	3 Week	GRAB
Effluent Gross Value 1	Permit Requirement				REPORT 01MOAV		REPORT 01BAMX	MG/L		3/Week	GRAB
Chlorine Produced Oxidants *CPOX 1	Sample Measurement					<0.1	<0.1		0	3 Week	GRAB
Effluent Gross Value 2	Permit Requirement				REPORT 01MOAV		REPORT 01BAMX	MG/L		3/Week	GRAB
Temperature, oC	Sample Measurement					32.5	35.9		0	1 Day	CONTIN
00010 1	Permit Requirement				REPORT 01MOAV		REPORT 01BAMX	DEG C		1 Day	CONTIN
Effluent Gross Value	Permit Requirement										
Lab Certification #	Sample Measurement	PA051	06003		17327				0	Not Apply	NOT AP.
99999 99	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Apply	NOT AP.
Lab	Permit Requirement										



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

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

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

Permittee:
PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:
PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 06/01/2018 To 06/30/2018
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

DSN 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

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	458	495	GPM				GPM	0	1 Day	CALCTD
	Permit Requirement	REPORT	REPORT								
	Requirement	10000	10000								
pH 00400 1 Effluent Gross Value	Sample Measurement				7.4		7.4	SL	0	1 Week	GRAB
	Permit Requirement										
	Requirement				6.0		8.0				
pH 00400 7 Intake From Stream	Sample Measurement				7.0		7.8	SL	0	1 Week	GRAB
	Permit Requirement				REPORT		REPORT				
	Requirement				6.0		8.0				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement			CODE=N	Not Required			KEEP	0	2 Year	COMPOS
	Permit Requirement				REPORT						
	Requirement				0.0						
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement				CODE=N	Not Required		MGT	0	3 Week	GRAB
	Permit Requirement										
	Requirement				0.5		0.5				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement					<0.1	<0.1	MGT	0	3 Week	GRAB
	Permit Requirement				REPORT						
	Requirement				0.0		0.1				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement					33.2	37.2	REG 3	0	1 Day	CONTIN
	Permit Requirement				REPORT						
	Requirement				0.0						
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT						
	Requirement										



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

PI: 46814

Shell Generation Date: 4/1/2018

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

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: 486A SW Outfall 486A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	125.2	127.1	MG	REPORT	REPORT	REPORT		0	1 Day	CALCTD
	Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	458	500	MG	REPORT	REPORT	REPORT		0	1 Day	CALCTD
	Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
pH 00400 1 Effluent Gross Value	Sample Measurement				7.3		7.5	SU	0	1 Week	GRAB
	Requirement				REPORT		REPORT				
	Requirement				REPORT		REPORT				
pH 00400 7 Intake From Stream	Sample Measurement				7.0		7.8	SU	0	1 Week	GRAB
	Requirement				REPORT		REPORT				
	Requirement				REPORT		REPORT				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement				REPORT	Not Req	REPORT	MG/L	0	3 Week	GRAB
	Requirement				REPORT		REPORT				
	Requirement				REPORT		REPORT				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement					<0.1	<0.1	MG/L	0	3 Week	GRAB
	Requirement				REPORT	REPORT	REPORT				
	Requirement				REPORT	REPORT	REPORT				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement					32.8	37.5	°C	0	1 Day	CONTIN
	Requirement				REPORT	REPORT	REPORT				
	Requirement				REPORT	REPORT	REPORT				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				



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

PI: 46814

Shell Generation Date: 4/1/2018

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:

☒ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 4/1/2018

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

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 4/1/2018

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

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0456	0.0456	MGD	*****	*****	*****	*****	0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Month	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.9	*****	7.9	SU	0	1 Month	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	9	9	*****	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		100 01DAMX	30 01MOAV	*****			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	4	4	MG/L	0	1 Month	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7015 1730 0001 1594 6554

Steven J Tambini
Executive Director
DRBC
P.O. Box 7360
West Trenton, N.J. 08628

**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 July 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)

EXPLANATION OF CONDITIONS

July 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 July 1, 2018 thru July 11, 2018.

ATTACHMENT:

None

EXPLANATION OF EXCEEDANCES

July 2018

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

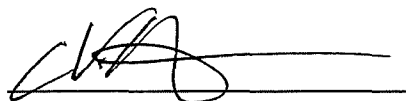
EXPLANATION

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.

A handwritten signature in black ink, appearing to be 'C. Mcfeaters', written over a horizontal line.

Charles V. Mcfeaters
Site Vice President – Salem



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 07/01/2018 - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2018 To 07/31/2018
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 07/01/2018 - 07/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/Influent	Sample Measurement	27.9	27.9	DEG C	27.9	28.1	29.3	DEG C	0	Continuous	CONTIN
	Permit Requirement	27.9	27.9		27.9	REPORT 01MOAV	REPORT 01DAMX		Continuous	CONTIN	
	QL	27.9	27.9		27.9	27.9	27.9				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	35.8	37.8	DEG C	35.8	35.8	37.8	DEG C	0	Continuous	CONTIN
	Permit Requirement	35.8	37.8		35.8	REPORT 01MOAV	46.1 01DAMX		Continuous	CONTIN	
	QL	35.8	37.8		35.8	35.8	37.8				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	7.7	8.9	DEG C	7.7	7.7	8.9	DEG C	0	1 Day	CALCTD
	Permit Requirement	7.7	8.9		7.7	REPORT 01MOAV	15.3 01DAMX		1/Day	CALCTD	
	QL	7.7	8.9		7.7	7.7	8.9				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	27.9	27.9		27.9	27.9	27.9				



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 07/01/2018 - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622

Monitoring Period: 07/01/2018 To 07/31/2018

Monitored Location: FACB SW Outfall FACB

Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 07/01/2018 - 07/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement	17322	17322	DEG.C	28.1	29.3	DEG.C	0	Continuous	CONTIN	
	Permit Requirement	REPORT	REPORT		01MOAV	01DAMX					
	QL	REPORT	REPORT		REPORT	REPORT					
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	35.9	36.9	DEG.C	35.9	36.9	DEG.C	0	Continuous	CONTIN	
	Permit Requirement	REPORT	REPORT		01MOAV	01DAMX					
	QL	REPORT	REPORT		REPORT	REPORT					
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement	7.8	8.2	DEG.C	7.8	8.2	DEG.C	0	1 Day	CALCTD	
	Permit Requirement	REPORT	REPORT		01MOAV	01DAMX					
	QL	REPORT	REPORT		REPORT	REPORT					
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	17327	17327		17327	0	Not Applic	NOT AP	
	Permit Requirement	REPORT	REPORT		REPORT	REPORT					
	QL	REPORT	REPORT		REPORT	REPORT					



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

Pl: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 07/01/2018 - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2018 To 07/31/2018
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 07/01/2018 - 07/31/2018

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2822	2856	MGD	REPORT	REPORT	REPORT	MGD	0	1 Day	CALCTD
	Permit Requirement	9024 01MCAV	REPORT 01DAMX		REPORT	REPORT	REPORT			1/Day	CALCTD
	OL	REPORT	REPORT		REPORT	REPORT	REPORT				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	14289	14712	MBTU/HR	REPORT	REPORT	REPORT	MBTU/HR	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MCAV	90600 01DAMX		REPORT	REPORT	REPORT			1/Day	CALCTD
	OL	REPORT	REPORT		REPORT	REPORT	REPORT				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT			Not Applic	NOT AP
	OL	Lab #	Lab #		Lab #	Lab #	Lab #				



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

PI: 46814

Shell Generation Date: 7/1/2018

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

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2018 To 07/31/2018
Monitored Location: 048C SW Outfall 48C
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

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

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.2929	0.4256	MGD					0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX							1/Day	CALCTD
	QL										
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement					8	11	MG/L	0	2 Month	COMPOS
	Permit Requirement					30 01MOAV	100 01DAMX			2/Month	COMPOS
	QL										
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement					20	25	MG/L	0	2 Month	COMPOS
	Permit Requirement					35 01MOAV	70 01DAMX			2/Month	COMPOS
	QL										
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement					<5	<5	MG/L	0	2 Month	GRAB
	Permit Requirement					10 01MOAV	15 01DAMX			2/Month	GRAB
	QL										
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement					6	6	MG/L	0	2 Month	COMPOS
	Permit Requirement					REPORT 01MOAV	60 01DAMX			2/Month	COMPOS
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 07/01/2018 - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2018 To 07/31/2018
Monitored Location: 481A SW Outfall 481A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 07/01/2018 - 07/31/2018

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1	Sample Measurement	477	511	MSD					0	1 Day	CALCTD
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01BAMX							1/Day	CALCTD
	QL										
pH	Sample Measurement			SU	7.2		7.7	SU	0	1 Week	GRAB
00400 1	Permit Requirement				8.0		8.0			1/Week	GRAB
Effluent Gross Value	QL				01BAMN		01BAMX				
pH	Sample Measurement			SU	7.5		8.0	SU	0	1 Week	GRAB
00400 7	Permit Requirement				REPORT 01BAMN		REPORT 01BAMX			1/Week	GRAB
Intake From Stream	QL										
LC50 Statre 96hr Acu Cyprinodon TANGA 1	Sample Measurement			CODE=N	Not Required			EFF	0	2 Year	COMPOS
Effluent Gross Value	Permit Requirement				REPORT 01BAMN					2/Year	COMPOS
	QL				50						
Chlorine Produced Oxidants *CPOX 1	Sample Measurement			CODE=N	Not Required			MG/L	0	3 Week	GRAB
Effluent Gross Value 1	Permit Requirement					0.5	0.5			3/Week	GRAB
	QL					01MOAV	01BAMX				
Chlorine Produced Oxidants *CPOX 1	Sample Measurement			CODE=N	Not Required			MG/L	0	3 Week	GRAB
Effluent Gross Value 2	Permit Requirement					REPORT 01MOAV	01BAMX			3/Week	GRAB
	QL										
Temperature, oC	Sample Measurement			DEG C	36.4		40.5	DEG C	0	1 Day	CONTIN
00010 1	Permit Requirement					REPORT 01MOAV	REPORT 01BAMX			1/Day	CONTIN
Effluent Gross Value	QL										
Lab Certification #	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
99999 99	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
Lab	QL										



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 07/01/2018 - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622

Monitoring Period: 07/01/2018 To 07/31/2018

Monitored Location: 482A SW Outfall 482A

Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 07/01/2018 - 07/31/2018

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1	Sample Measurement	482	482	MGD	0.0000	0.0000	0.0000	MGD	0	1 Day	CALCTD
Effluent Gross Value	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		0.0000	0.0000	0.0000			1/Day	CALCTD
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				
pH	Sample Measurement	7.777	7.777	pH	7.3	7.777	7.6	pH	0	1 Week	GRAB
00400 1 Effluent Gross Value	Permit Requirement	0.0000	0.0000		8.0 01DAMN	0.0000	8.0 01DAMX			1/Week	GRAB
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				
pH	Sample Measurement	7.777	7.777	pH	7.5	7.777	8.0	pH	0	1 Week	GRAB
00400 7 Intake From Stream	Permit Requirement	0.0000	0.0000		REPORT 01DAMN	0.0000	REPORT 01DAMX			1/Week	GRAB
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				
LC50 Stalre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	0.0000	0.0000	CODE=N Not Required	0.0000	0.0000	0.0000	KEEFL	0	2 Year	COMPOS
	Permit Requirement	0.0000	0.0000		REPORT 01DAMN	0.0000	0.0000			2/Year	COMPOS
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	0.0000	0.0000	CODE=N Not Required	0.0000	0.0000	0.0000	MG/L	0	3 Week	GRAB
	Permit Requirement	0.0000	0.0000		0.0000	0.0000	0.0000			3/Week	GRAB
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	0.0000	0.0000	CODE=N Not Required	0.0000	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	0.0000	0.0000		0.0000	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				
Temperature, °C	Sample Measurement	0.0000	0.0000	pH	35.7	35.7	38.7	DEG C	0	1 Day	CONTIN
00010 1 Effluent Gross Value	Permit Requirement	0.0000	0.0000		0.0000	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				
Lab Certification #	Sample Measurement	PA051	06003	17327	17327				0	Not Applic	NOT AP
99999 99 Lab	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	0.0000	0.0000		0.0000	0.0000	0.0000				



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 07/01/2018 - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622

Monitoring Period: 07/01/2018 To 07/31/2018

Monitored Location: 483A SW Outfall 483A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 07/01/2018 - 07/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	487	488	MGD	7.3	7.3	7.3	MGD	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		7.3	7.3	7.3				
	QL	7.3	7.3		7.3	7.3	7.3			1/Day	CALCTD
pH 00400 1 Effluent Gross Value	Sample Measurement	7.3	7.3	SU	7.3	7.3	7.3	SU	0	1 Week	GRAB
	Permit Requirement	7.3	7.3		6.0 01DAMN	7.3	8.0 01DAMX			1/Week	GRAB
	QL	7.3	7.3		7.3	7.3	7.3				
pH 00400 7 Intake From Stream	Sample Measurement	7.3	7.3	SU	7.5	7.3	8.0	SU	0	1 Week	GRAB
	Permit Requirement	7.3	7.3		REPORT 01DAMN	7.3	REPORT 01DAMX			1/Week	GRAB
	QL	7.3	7.3		7.3	7.3	7.3				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	7.3	7.3	MG/L	CODE=N Not Req E=N Not Req			MG/L	0	3 Week	GRAB
	Permit Requirement	7.3	7.3		0.3 01MOAV	7.3	0.3 01DAMX			3/Week	GRAB
	QL	7.3	7.3		7.3	7.3	7.3				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	7.3	7.3	MG/L	<0.1	7.3	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	7.3	7.3		7.3	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	7.3	7.3		7.3	7.3	7.3				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	7.3	7.3	DEG C	35.4	7.3	38.1	DEG C	0	1 Day	CONTIN
	Permit Requirement	7.3	7.3		7.3	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	7.3	7.3		7.3	7.3	7.3				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	7.3	7.3		7.3	7.3	7.3				



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 07/01/2018 - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622

Monitoring Period: 07/01/2018 To 07/31/2018

Monitored Location: 484A SW Outfall 484A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 07/01/2018 - 07/31/2018

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, in Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	509	509	MGD	01111	01111	01111	MGD	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		01111	01111	01111			1/Day	CALCTD
	QL	01111	01111		01111	01111	01111				
pH 00400 1 Effluent Gross Value	Sample Measurement	01111	01111	SU	7.3	01111	7.5	SU	0	1 Week	GRAB
	Permit Requirement	01111	01111		9.0 01DAMN	01111	9.0 01DAMX			1/Week	GRAB
	QL	01111	01111		01111	01111	01111				
pH 00400 7 Intake From Stream	Sample Measurement	01111	01111	SU	7.5	01111	8.0	SU	0	1 Week	GRAB
	Permit Requirement	01111	01111		REPORT 01DAMN	01111	REPORT 01DAMX			1/Week	GRAB
	QL	01111	01111		01111	01111	01111				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	01111	01111	CODE=N Not Required	01111	01111	01111	%EFFL	0	2 Year	COMPOS
	Permit Requirement	01111	01111		REPORT 01DAMN	01111	01111			2/Year	COMPOS
	QL	01111	01111		50	01111	01111				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	Sample Measurement	01111	01111	CODE=N Not Required	01111	01111	01111	MG/L	0	3 Week	GRAB
	Permit Requirement	01111	01111		0.3 01MOAV	01111	0.5 01DAMX			3/Week	GRAB
	QL	01111	01111		01111	01111	01111				
Chlorine Produced Oxidants *CPOX 2 Effluent Gross Value	Sample Measurement	01111	01111	CODE=N Not Required	01111	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	01111	01111		01111	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	01111	01111		01111	01111	01111				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	01111	01111	DEG C	01111	35.9	38.2	DEG C	0	1 Day	CONTIN
	Permit Requirement	01111	01111		01111	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	01111	01111		01111	01111	01111				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	17327	01111				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	01111	01111		01111	01111	01111				



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 07/01/2018 - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2018 To 07/31/2018
Monitored Location: 485A SW Outfall 485A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

DSN outfall 485A was unavailable for sampling due to standpipe maintenance from July 1, 2018 thru July 11, 2018. Samples for CPO were obtained from July 12, 2018 thru the end of the reporting period. Samples for pH were obtained from July 16, 2018 thru the end of the reporting period.

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 07/01/2018 - 07/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	495	495	MGD	7.1111	7.1111	7.1111	MGD	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MGAV	REPORT 01DAMX		7.1111	7.1111	7.1111		1/Day	CALCTD	
	QL	7.1111	7.1111		7.1111	7.1111	7.1111				
pH 00400 1 Effluent Gross Value	Sample Measurement	7.7777	7.7777	7.7777	7.4	7.7777	7.6	SU	0	1 Week	GRAB
	Permit Requirement	7.7777	7.7777		6.0 01DAMN	7.7777	9.0 01DAMX		1/Week	GRAB	
	QL	7.7777	7.7777		7.7777	7.7777	7.7777				
pH 00400 7 Intake From Stream	Sample Measurement	7.7777	7.7777	7.7777	7.5	7.7777	8.0	SU	0	1 Week	GRAB
	Permit Requirement	7.7777	7.7777		REPORT 01DAMN	7.7777	REPORT 01DAMX		1/Week	GRAB	
	QL	7.7777	7.7777		7.7777	7.7777	7.7777				
LC50 Stalre 96hr Acu Cyprinodon TAN&A 1 Effluent Gross Value	Sample Measurement	7.7777	7.7777	CODE=N	Not Required			EFFL	0	2 Year	COMPOS
	Permit Requirement	7.7777	7.7777		REPORT 01DAMN	7.7777	7.7777		2/Year	COMPOS	
	QL	7.7777	7.7777		50	7.7777	7.7777				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	7.7777	7.7777	7.7777	CODE=N Not Req E=N Not Req			MG/L	0	3 Week	GRAB
	Permit Requirement	7.7777	7.7777		7.7777	0.3 01MGAV	0.5 01DAMX		3/Week	GRAB	
	QL	7.7777	7.7777		7.7777	7.7777	7.7777				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	7.7777	7.7777	7.7777	7.7777	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	7.7777	7.7777		7.7777	REPORT 01MGAV	0.2 01DAMX		3/Week	GRAB	
	QL	7.7777	7.7777		7.7777	7.7777	7.7777				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	7.7777	7.7777	7.7777	7.7777	35.9	38.1	DEG C	0	1 Day	CONTIN
	Permit Requirement	7.7777	7.7777		7.7777	REPORT 01MGAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	7.7777	7.7777		7.7777	7.7777	7.7777				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	7.7777	7.7777		7.7777	7.7777	7.7777				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 07/01/2018 - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2018 To 07/31/2018
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

Please refer all permit related questions regarding this monitoring report form to your permit writer. Your permit writer's name and telephone number can be found on the cover letter of your permit. Questions about the electronic submission of this report may be referred to the Office of Permit Management at (609)964-4428.



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 07/01/2018 - 07/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	126.8	129.7	MGD	7.4	7.4	7.4		0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		7.4	7.4	7.4			1/Day	CALCTD
	QL	7.4	7.4		7.4	7.4	7.4				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	499	500	MGD	7.4	7.4	7.4		0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		7.4	7.4	7.4			1/Day	CALCTD
	QL	7.4	7.4		7.4	7.4	7.4				
pH 00400 1 Effluent Gross Value	Sample Measurement	7.4	7.4	SU	7.4	7.4	7.4	SU	0	1 Week	GRAB
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		7.4	7.4	7.4			1/Week	GRAB
	QL	7.4	7.4		7.4	7.4	7.4				
pH 00400 7 Intake From Stream	Sample Measurement	7.4	7.4	SU	7.4	7.4	7.4	SU	0	1 Week	GRAB
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		7.4	7.4	7.4			1/Week	GRAB
	QL	7.4	7.4		7.4	7.4	7.4				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	0.5	0.5	MG/L	0.5	0.5	0.5	MG/L	0	3 Week	GRAB
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		0.5	0.5	0.5			3/Week	GRAB
	QL	0.5	0.5		0.5	0.5	0.5				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	0.1	0.1	MG/L	0.1	0.1	0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		0.1	0.1	0.1			3/Week	GRAB
	QL	0.1	0.1		0.1	0.1	0.1				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	35.8	38.7	DEG C	35.8	38.7	38.7	DEG C	0	1 Day	CONTIN
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		35.8	38.7	38.7			1/Day	CONTIN
	QL	35.8	38.7		35.8	38.7	38.7				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 07/01/2018 - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2018 To 07/31/2018
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 07/01/2018 - 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

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 07/01/2018 To 07/31/2018
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 07/01/2018 - 07/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0379	0.0379	MGD					0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX							1/Month	CALCTD
	QL										
pH 00400 1 Effluent Gross Value	Sample Measurement				6.6		6.6	SU	0	1 Month	GRAB
	Permit Requirement				6.0 01DAMN		9.0 01DAMX			1/Month	GRAB
	QL										
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement				2		2	MG/L	0	1 Month	GRAB
	Permit Requirement				100 01DAMX		30 01MOAV			1/Month	GRAB
	QL										
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement						<5	MG/L	0	1 Month	GRAB
	Permit Requirement						10 01MOAV			1/Month	GRAB
	QL										
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement						7	MG/L	0	1 Month	GRAB
	Permit Requirement						REPORT 01MOAV			1/Month	GRAB
	QL										
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL										

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7015 1730 0001 1594 6578

Steven J Tambini
Executive Director
DRBC
P.O. Box 7360
West Trenton, N.J. 08628

**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 August 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)

EXPLANATION OF CONDITIONS

August 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

August 2018

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

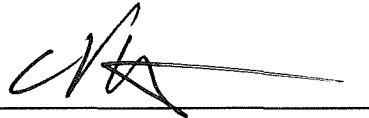
EXPLANATION

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.

A handwritten signature in black ink, appearing to be 'C. Mcfeaters', written over a horizontal line.

Charles V. Mcfeaters
Site Vice President – Salem



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 08/01/2018 - 08/31/2018

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2018 To 08/31/2018
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 08/01/2018 - 08/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	28.3	29.5	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	36.0	37.2	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	7.7	7.8	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 08/01/2018 - 08/31/2018

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2018 To 08/31/2018
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 08/01/2018 - 08/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	28.3	29.5	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	36.5	37.7	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	8.2	8.7	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 08/01/2018 - 08/31/2018

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2018 To 08/31/2018
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 08/01/2018 - 08/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/influent	Sample Measurement	2817	2856	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	3024	REPORT 01MOAV		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	14632	14953	MBTU/HR	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	30600 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 08/01/2018 - 08/31/2018

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2018 To 08/31/2018
Monitored Location: 048C SW Outfall 48C
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 08/01/2018 - 08/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.3356	0.5225	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	11	11	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	30 01MOAV	100 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	18	19	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	35 01MOAV	70 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	<5	<5	MG/L	0	2 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX			2/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	6	7	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 08/01/2018 - 08/31/2018

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622

Monitoring Period: 08/01/2018 To 08/31/2018

Monitored Location: 481A SW Outfall 481A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 08/01/2018 - 08/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	509	510	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.8	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	36.4	39.5	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 08/01/2018 - 08/31/2018

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622

Monitoring Period: 08/01/2018 To 08/31/2018

Monitored Location: 482A SW Outfall 482A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 08/01/2018 - 08/31/2018

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	482	482	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.8	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****			2/Year	COMPOS
	QL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	35.9	38.0	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 08/01/2018 - 08/31/2018

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2018 To 08/31/2018
Monitored Location: 483A SW Outfall 483A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814
Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 08/01/2018 - 08/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	487	487	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		1/Day	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.1	*****	7.8	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		8.0 01DAMN	*****	9.0 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.8	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX		1/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Req E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX		3/Week	GRAB	
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	35.8	37.9	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX		1/Day	CONTIN	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				



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

PI: 46814
Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 08/01/2018 - 08/31/2018

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2018 To 08/31/2018
Monitored Location: 484A SW Outfall 484A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 08/01/2018 - 08/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	509	511	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.1	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.8	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN 50	*****	*****				
	AL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	36.4	38.7	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 08/01/2018 - 08/31/2018

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622

Monitoring Period: 08/01/2018 To 08/31/2018

Monitored Location: 485A SW Outfall 485A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 08/01/2018 - 08/31/2018

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	458	495	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.0	*****	7.7	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.8	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****			2/Year	COMPOS
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX			3/Week	GRAB
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	37.2	40.2	DEG C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Day	CONTIN
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 08/01/2018 - 08/31/2018

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2018 To 08/31/2018
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 08/01/2018 - 08/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	126.9	129.3	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	499	501	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.1	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.8	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not RequiredE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	36.1	38.9	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 08/01/2018 - 08/31/2018

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2018 To 08/31/2018
Monitored Location: 487B SW Outfall 487B
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 08/01/2018 - 08/31/2018

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2018 To 08/31/2018
Monitored Location: 489A SW Outfall 489A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

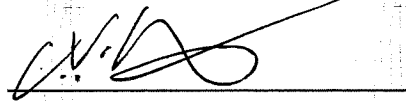
PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 08/01/2018 - 08/31/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0403	0.0403	MGD	****	****	****	****	0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		****	****	****		1/Month	CALCTD	
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	****	****	****	7.4	****	7.4	SU	0	1 Month	GRAB
	Permit Requirement	****	****		6.0 01DAMN	****	9.0 01DAMX		1/Month	GRAB	
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	****	****	****	11	11	****	MG/L	0	1 Month	GRAB
	Permit Requirement	****	****		100 01DAMX	30 01MOAV	****		1/Month	GRAB	
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	****	****	****	****	<5	<5	MG/L	0	1 Month	GRAB
	Permit Requirement	****	****		****	10 01MOAV	15 01DAMX		1/Month	GRAB	
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	****	****	****	****	4	4	MG/L	0	1 Month	GRAB
	Permit Requirement	****	****		****	REPORT 01MOAV	50 01DAMX		1/Month	GRAB	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				

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

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7015 1730 0001 1594 6585

Steven J Tambini
Executive Director
DRBC
P.O. Box 7360
West Trenton, N.J. 08628

**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 September 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)

EXPLANATION OF CONDITIONS

September 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 482 standpipe was unavailable for sampling from September 24th thru the end of the reporting period due to maintenance on the standpipe. The one outfall pH and 3 CPO samples for the week of 9/24/18 were not obtained.

ATTACHMENT:

None

EXPLANATION OF EXCEEDANCES

September 2018

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

EXPLANATION

None



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 09/01/2018 - 09/30/2018

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: 09/01/2018 To 09/30/2018
Monitored Location: FACA SW Outfall FACA
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACA SW Outfall FACA - 09/01/2018 - 09/30/2018

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, °C 00010 G Raw Sew/Influent	Sample Measurement	*****	*****	*****	*****	25.3	29.0	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	33.8	36.7	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	8.5	9.9	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

Pl: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 09/01/2018 - 09/30/2018

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: 09/01/2018 To 09/30/2018
Monitored Location: FACB SW Outfall FACB
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACB SW Outfall FACB - 09/01/2018 - 09/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Temperature, oC 00010 G Raw Sew/influent	Sample Measurement	*****	*****	*****	*****	25.3	29.0	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	31.3	36.4	DEG.C	0	Continuous	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	46.1 01DAMX			Continuous	CONTIN
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 2 Effluent Net Value	Sample Measurement	*****	*****	*****	*****	6.0	8.6	DEG.C	0	1 Day	CALCTD
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	15.3 01DAMX			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 09/01/2018 - 09/30/2018

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: 09/01/2018 To 09/30/2018
Monitored Location: FACC SW Outfall FACC
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - FACC SW Outfall FACC - 09/01/2018 - 09/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	2716	2856	MGD	****	****	****	****	0	1 Day	CALCTD
	Permit Requirement	3024	REPORT		****	****	****		1/Day	CALCTD	
	01MOAV	01DAMX	****		****	****					
	QL	*****	*****		****	****	****				
Thermal Discharge Million BTUs per Hr 00015 2 Effluent Net Value	Sample Measurement	12720	14471	MBTU/HR	****	****	****	****	0	1 Day	CALCTD
	Permit Requirement	REPORT	30600		****	****	****		1/Day	CALCTD	
	01MOAV	01DAMX	****		****	****					
	QL	*****	*****		****	****	****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT		Not Applic	NOT AP	
	Lab #	Lab #	Lab #		Lab #	Lab #					
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Waste Characterization Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 08/01/2018 - 01/31/2019

Permittee:

PSE&G NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622
Monitoring Period: 08/01/2018 To 01/31/2019
Monitored Location: 048C SW Outfall 48C
Monitored Location Group: N/A
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Waste Characterization Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 08/01/2018 - 01/31/2019

Sample Date: (mm/dd/yyyy) 09/15/2018

Waste Characterization Data:				
Parameter	Reported Value	Units	Remark Code	Sample Type
Sulfate, Total (as SO ₄) 00945 1 Effluent Gross Value	1280000	UG/L	S Laboratory test	GRAB
Boron, Total (as B) 01022 1 Effluent Gross Value	371	UG/L	S Laboratory test	GRAB
Dichlorobromomethane 32101 1 Effluent Gross Value	15.5	UG/L	S Laboratory test	GRAB
Bromoform 32104 1 Effluent Gross Value	5	UG/L	S Laboratory test	GRAB
Chloroform 32106 1 Effluent Gross Value	126	UG/L	S Laboratory test	GRAB
Acrylonitrile 34215 1 Effluent Gross Value	<4.0	UG/L	nalyzed for but not deter	GRAB
Chlorodibromomethane 34306 1 Effluent Gross Value	12.7	UG/L	S Laboratory test	GRAB
Lab Certification # 99999 99 Lab	PA051			NOT AP
Lab Certification # 99999 99 Lab				NOT AP
Lab Certification # 99999 99 Lab				NOT AP
Lab Certification # 99999 99 Lab				NOT AP
Lab Certification # 99999 99 Lab				NOT AP



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 09/01/2018 - 09/30/2018

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: 09/01/2018 To 09/30/2018

Monitored Location: 048C SW Outfall 48C

Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 048C SW Outfall 48C - 09/01/2018 - 09/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.3452	0.5315	MGD	****	****	****	****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		****	****	****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	*****	*****	****	*****	6	10	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	30 01MOAV	100 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	Sample Measurement	*****	*****	****	*****	17	31	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	35 01MOAV	70 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	*****	*****	****	*****	<5	<5	MG/L	0	2 Month	GRAB
	Permit Requirement	*****	*****		*****	10 01MOAV	15 01DAMX			2/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	*****	*****	****	*****	10	13	MG/L	0	2 Month	COMPOS
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	50 01DAMX			2/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 09/01/2018 - 09/30/2018

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: 09/01/2018 To 09/30/2018

Monitored Location: 481A SW Outfall 481A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 481A SW Outfall 481A - 09/01/2018 - 09/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	509	509	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.4	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0	*****	9.0				
	QL	*****	*****		01DAMN	*****	01DAMX				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	8.2	SU	0	1 Quarter	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3	0.5				
	QL	*****	*****		*****	01MOAV	01DAMX				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2				
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	33.9	38.0	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 09/01/2018 - 09/30/2018

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: 09/01/2018 To 09/30/2018

Monitored Location: 482A SW Outfall 482A

Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

DSN 482 standpipe was unavailable for sampling from September 24th thru the end of the reporting period due to maintenance on the standpipe. The 1 outfall pH ,and the 3 CPO samples for the week of 9/24/18 were not obtained.

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 482A SW Outfall 482A - 09/01/2018 - 09/30/2018

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	482	482	MGD	****	****	****	****	0	1 Day	CALCTD
	Permit Requirement	REPORT	REPORT		****	****	****				
	Requirement	01MOAV	01DAMX		****	****	****				
	QL	****	****		****	****	****				
pH 00400 1 Effluent Gross Value	Sample Measurement	****	****	****	7.5	****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	****	****		6.0	****	9.0				
	Requirement	01DAMN	01DAMX		****	****	****				
	QL	****	****		****	****	****				
pH 00400 7 Intake From Stream	Sample Measurement	****	****	****	7.7	****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	****	****		REPORT	****	REPORT				
	Requirement	01DAMN	01DAMX		****	****	****				
	QL	****	****		****	****	****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	****	****	****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	****	****		REPORT	****	****				
	Requirement	01DAMN	****		50	****	****				
	AL	****	****		****	****	****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	****	****	****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	****	****		0.3	****	0.5				
	Requirement	01MOAV	01DAMX		****	****	****				
	QL	****	****		****	****	****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	****	****	****	<0.1	****	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	****	****		REPORT	****	0.2				
	Requirement	01MOAV	01DAMX		****	****	****				
	QL	****	****		****	****	****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	****	****	****	33.6	****	37.6	DEG.C	0	1 Day	CONTIN
	Permit Requirement	****	****		REPORT	****	REPORT				
	Requirement	01MOAV	01DAMX		****	****	****				
	QL	****	****		****	****	****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	****	17327	****	****	****	0	Not Applic	NOT AP
	Permit Requirement	REPORT	REPORT		REPORT	REPORT	REPORT				
	Requirement	Lab #	Lab #		Lab #	Lab #	Lab #				
	QL	****	****		****	****	****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 09/01/2018 - 09/30/2018

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: 09/01/2018 To 09/30/2018

Monitored Location: 483A SW Outfall 483A

Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 483A SW Outfall 483A - 09/01/2018 - 09/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	420	487	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.5	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not RequiredE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	33.9	37.3	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 09/01/2018 - 09/30/2018

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: 09/01/2018 To 09/30/2018

Monitored Location: 484A SW Outfall 484A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 484A SW Outfall 484A - 09/01/2018 - 09/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	466	511	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.5	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Req E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, oC 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	31.9	37.7	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 09/01/2018 - 09/30/2018

Permittee:

PSEG NUCLEAR LLC
80 PARK PLAZA

NEWARK, NJ 07101

Location of Activity:

PSEG NUCLEAR LLC SALEM GENERATING STATION
ALLOWAY CREEK NECK RD

HANCOCKS BRIDGE, NJ 08038

Report Recipient:

PSEG NUCLEAR LLC
PO BOX 236/N21

HANCOCKS BRIDGE, NJ 08038

NJPDES Permit Number: NJ0005622

Monitoring Period: 09/01/2018 To 09/30/2018

Monitored Location: 485A SW Outfall 485A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 485A SW Outfall 485A - 09/01/2018 - 09/30/2018

Discharge Monitoring Data:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	478	495	MGD	****	****	****	****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		****	****	****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	****	7.4	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		8.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	****	7.7	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Cyprinodon TAN6A 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	CODE=N Not Required			%EFFL	0	2 Year	COMPOS
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	*****				
	AL	*****	*****		50	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	****	*****	32.4	39.9	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



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

PI: 46814
Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 09/01/2018 - 09/30/2018

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: 09/01/2018 To 09/30/2018
Monitored Location: 486A SW Outfall 486A
Monitored Location Group:
Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 486A SW Outfall 486A - 09/01/2018 - 09/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 G Raw Sew/Influent	Sample Measurement	126.7	129.9	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	489	502	MGD	*****	*****	*****	*****	0	1 Day	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****				
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	7.6	*****	7.6	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		6.0 01DAMN	*****	9.0 01DAMX				
	QL	*****	*****		*****	*****	*****				
pH 00400 7 Intake From Stream	Sample Measurement	*****	*****	*****	7.7	*****	8.2	SU	0	1 Week	GRAB
	Permit Requirement	*****	*****		REPORT 01DAMN	*****	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 1	Sample Measurement	*****	*****	*****	CODE=N Not Req E=N Not Required			MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	0.3 01MOAV	0.5 01DAMX				
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value 2	Sample Measurement	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	3 Week	GRAB
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	0.2 01DAMX				
	QL	*****	*****		*****	*****	*****				
Temperature, °C 00010 1 Effluent Gross Value	Sample Measurement	*****	*****	*****	*****	29.8	35.5	DEG.C	0	1 Day	CONTIN
	Permit Requirement	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX				
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003	*****	17327			*****	0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #				
	QL	*****	*****		*****	*****	*****				



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 487B SW Outfall 487B - 09/01/2018 - 09/30/2018

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: 09/01/2018 To 09/30/2018

Monitored Location: 487B SW Outfall 487B

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☒ No Discharge This Monitoring Period

Monitoring Report Comments:

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



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

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 09/01/2018 - 09/30/2018

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: 09/01/2018 To 09/30/2018

Monitored Location: 489A SW Outfall 489A

Monitored Location Group:

Region / County: Southern / Salem

Check if Applicable: ☐ No Discharge This Monitoring Period

Monitoring Report Comments:

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



State of New Jersey
Department of Environmental Protection

Surface Water Discharge Monitoring Report

PI: 46814

Shell Generation Date: 7/1/2018

PSEG NUCLEAR LLC SALEM GENERATING STATION - NJ0005622 - 489A SW Outfall 489A - 09/01/2018 - 09/30/2018

Discharge Monitoring Data:											
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No Ex.	Frequency of Analysis	Sample Type
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	Sample Measurement	0.0720	0.0720	MGD	****	****	****	****	0	1 Month	CALCTD
	Permit Requirement	REPORT 01MOAV	REPORT 01DAMX		****	****	****			1/Month	CALCTD
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	Sample Measurement	****	****	****	7.6	****	7.6	SU	0	1 Month	GRAB
	Permit Requirement	****	****		6.0 01DAMN	****	9.0 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	Sample Measurement	****	****	****	6	6	****	MG/L	0	1 Month	GRAB
	Permit Requirement	****	****		100 01DAMX	30 01MOAV	****			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Petroleum Hydrocarbons 00551 1 Effluent Gross Value	Sample Measurement	****	****	****	****	<5	<5	MG/L	0	1 Month	GRAB
	Permit Requirement	****	****		****	10 01MOAV	15 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	Sample Measurement	****	****	****	****	5	5	MG/L	0	1 Month	GRAB
	Permit Requirement	****	****		****	REPORT 01MOAV	50 01DAMX			1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	Sample Measurement	PA051	06003		17327				0	Not Applic	NOT AP
	Permit Requirement	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

OFFICE OF LEGAL AFFAIRS

MAIL CODE 401-04L, P.O. BOX 402

Trenton, NJ 08625-0402

TEL: # (609) 292-0716

FAX # (609) 984-3488

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

November 24, 2017

Kieran A. Brown, Esq.
PSEG Service Corporation
Law Department
80 Park Plaza, T-17
Newark, NJ 07102

RE: Request for an Adjudicatory Hearing
PSE&G NUCLEAR LLC
PEA170001-170400041000

Dear Mr. Brown:

Please be advised that the Department has received your request for an adjudicatory hearing. Your request is under review and you will be hearing from the Department as to its disposition.

Sincerely,

Colin Emerle, Esq.
Regulatory Officer
Office of Legal Affairs

C: Iclal Atay
609-633-0610
OLA #17-0147

V:\LegalAff\Plola4\1ST PARTY HEARINGS\MERGE DOCUMENTS\Acknowledgement Letter



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

OFFICE OF LEGAL AFFAIRS

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Trenton, NJ 08625-0402

TEL # (609) 292-0716

FAX # (609) 984-3488

PHIL MURPHY
Governor

SHEILA OLIVER
Lt. Governor

CATHERINE R. MCCABE
Acting Commissioner

February 16, 2018

Kieran A. Brown, Esq.
PSEG Service Corporation
Law Department
80 Park Plaza, T-17
Newark, NJ 07102

Re: PSE&G NUCLEAR LLC
PEA170001-170400041000

Dear Mr. Brown:

The Department of Environmental Protection has completed its review of your request, dated 10/30/2017, for an adjudicatory hearing regarding the above-captioned matter and hereby grants the request.

After a Deputy Attorney General has been assigned to represent the Department, the matter will be transmitted to the Office of Administrative Law. Thereafter, you will receive a Notice of Filing from the Office of Administrative Law informing you of the next step in the process.

The transmittal of this matter to the Office of Administrative Law does not constitute a waiver of the Department's right to limit the introduction or consideration in the hearing at the Office of Administrative Law of any defenses or issues which are inappropriately raised.

At this time, you may wish to consider requesting alternative dispute resolution through the Department's Office of Dispute Resolution. For information on the alternative dispute resolution process, visit www.nj.gov/dep/odr.

Sincerely,

Colin Emerle, Esq.
Regulatory Officer
Office of Legal Affairs

c: Iclal Atay
OLA #17-0147

Updated 09-11-14