NOV 2 3 2009 SCH09-134



CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7008 1830 0004 1876 0764
Department of Environmental Protection
Division of Water Quality
Bureau of Permit Management
P.O. Box 029
Trenton, N.J. 08625-0029

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

Dear Sir:

Attached is the Discharge Monitoring Report for the Salem Generating Station for the month of October 2009.

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 Bob Bernard (856) 339-1636.

Sincerely,

Robert C. Braun

Site Vice President - Salem

TE25 NMR Attachment (12 DMR's)

C Executive Director, DRBC USNRC - Docket numbers 50-272 & 50-311

EXPLANATION OF CONDITIONS

October 2009

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 1993 revision of the NJDEP DMR Instruction Manual and specific guidance from DEP personnel.

EXPLANATION OF EXCEEDANCES

October 2009

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

DSN No.

EXPLANATION

None.

COUNTY OF SALEM STATE OF NEW JERSEY

I, Robert C. Braun 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.

Robert C. Braun

Site Vice President – Salem

Sworn and subscribed before me this 23 day of November 2009

SHERI L KEYES commission # 205196

My Commission Expires
January 15, 2014

BC Site Vice President – Salem
Director – Regulatory Affairs
John Valeri Jr., Esq.
Salem Radwaste and Environmental Supervisor
E. J. Keating
Helen Gregory
Chem File SCH09-134

NJ0005622 PERMITTEE: PSE&G NUCLEAR LLC 80 PARK PLAZA NEWARK, NJ 07101	PSEG NU		FA	CA – SW O	utfall FACA
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10/1/09 TO 10/31/09

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Comments: If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Region 2 at (609)292-4860 or via email at "srosenwi@dep.state.nj.us".

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FACB SW Outfall FACB

10/1/09 TO 10/31/09

PSEG NUCLEAR LLC SALEM GENERATIN

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Comments: If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Region 2 at (609)292-4860 or via email at "srosenwi@dep.state.nj.us".

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MONITORED LOCATION:

MONITORING PEHIOD:

FACILITY NAME:

J0005622

FACC SW Outfall FACC

19/1/09 TO 10/31/09

PSEG NUCLEAR LLC SALEM GENERATIN

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Comments: If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Region 2 at (609)292-4860 or via email at "srosenwi@dep.state.nj.us".

NJPDES PERMIT	MONITORING PERIOD		MONITO	RED LOCATION:				
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CHECK IF APPLICABLES	No Discharge this Monitoring Period	toring Report Comme	nts Attached					
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Robert C. Braun.	Site Vice President - Salem			N/A				
	EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICE	GRADE AND REG	GISTRY NUMBER (IF APPLICABLE) 856-339-1998					
SIGNATURE OF PRINCIPAL EXEC	UTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED	OPERATOR	DATE	AREA CODE/PHONE NUMBER				
person designated by that person	hest-ranking operator does not have the ability to authori shall sign the following certification:							
	n accordance with N.J.S.A. 58:10A-6F(5) that I have revi	ewed the attached						
N/A	N/A	<u></u>	N/A	N/A				
NAME AND TITLE	SIGNATURE		DATE	AREA CODE/PHONE NUMBER				

THINIT NOWBER: MONITORED LOCATION:

J0005622

MUNITURING I LINUD.

048C SW Outfall 48C

10/1/09 TO 10/31/09

PSEG NUCLEARITE SALEM GENERATIO

PARAMETER		· ·			1971/09 1	10 18/31/69 PSEG NUCLEAR LLC SALEM GENERATIN								
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Items Company Compan	ru Treatment Plant	SAMPLE MEASUREMENT	0.2858	0.6252		``######	*****	*****		0	1/0ay			
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		COLS.	on the later of the complete	The Markette		#####	tititi	****** ******			A - 195 (A 196)			

Comments: If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Region 2 at (609)292-4680 or via email at "srosenwi@dep.state.nj.us".

NJPDES PERMIT	MONITO	MONITO	ORED LOCATION:	
NJ0005622	Month Day Year 10 1 2009	To Month Day Year 10 31 2009	481A – SW Ou	tfall 481A
PERMITTEE: PSE&G NUCLEAR LLC 80 PARK PLAZA NEWARK, NJ 07101	PSEG NU GENERA ALLOWA	ION OF ACTIVITY: CLEAR LLC SALEM ING STATION Y CREEK NECK RD KS BRIDGE, NJ 08038	REPORT REC PSEG NUCLEAR PO BOX 236/N21 HANCOCKS BRII	LLC
		,		
		ON / COUNTY: Southern / Saler	•	f
CHECK IF APPLICABLES	No Discharge this Mo	nitoring Period 🔲 Monitorin	g Report Comments Atta	ched
the certification. Where the hig responsibility or person designs another entity to operate the tre I certify under penalty of law that, based on my inquiry of the complete. I am aware that there to N.J.A.C. 7:14A-6.9(B). The	hest ranking operator does no ted by that person shall also s atment works, the highest-rank at I have personally examined see individuals immediately re e are significant penalties for New Jersey water Pollution C	person. For a local agency, the het have the ability to authorize capiting the second certification at the king official of the contracted entited and am familiar with the information submitting false information, incontrol Act provides for penalties to	tal expenditures and hire proton of this page. If the cy shall sign the certification submitted in this docuation, I believe that the inuding the possibility of a	personnel, a person having that to local agency has contracted with on. ument and all attachments, and afformation is true, accurate and and/or imprisonment, pursuant in.
	Site Vice President - Salem			<u>N/A</u>
NAME AND TITLE OF PRINCIPAL	EXECUTIVE OFFICER, AUTHOR	IZED AGENT, OR *LICENSED OPERA	TOR GRADE AND RI 11/20/2009	EGISTRY NUMBER (IF APPLICABLE) 856-339-1998
SIGNATURE OF PRINCIPAL EXEC	UTIVE OFFICER, AUTHORIZED A	AGENT, OR *LICENSED OPERATOR	DATE	AREA CODE/PHONE NUMBER
person designated by that person.	shall sign the following certificati		•	l, a person having that responsibility or
	i accordance with 14,3,3,77, 36.10			
N/A	· · · · · · · · · · · · · · · · · · ·	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
NAME AND TITLE	SIGNATU	RE	DATE	AREA CODE/PHONE NUMBER

MONITORED LOCATION:

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J0005622

481A SW Outfall 481A

10/1/09 TO 10/31/09

PSEG NUCLEAR LLC SALEM GENERATI

<u></u>		16/1/69 TO 10/31/09 PSEG NUCLEAR LLC SA						LEM GENERATIN					
PARAMETER		QUANTITY (OR LOADING	UNITS	QUALI	TY OR CONCENTE		UNITS	NO.	FREQ. OF ANALYSIS	SAMPLE TYPE		
ow, In Conduit or Treatment Plant	SAMPLE MEASUREMENT	503	519		*****	*****	*****	 	0	1/Day	CALCTO		
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481A SW Outfall 481A

10/1/09 TO: 10/31/09

PSEG NUCLEAR LLC SALEM GENERATII

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NJPDES PERMIT		MONITOI	RING PE	RIOD			MONITO	RED LOCATION:		
NJ0005622		ay Year 1 2009	T	onth Da		Year 2009	482	2 A -	- SW Out	fall 482A
PERMITTEE: PSE&G NUCLEAR LLC 80 PARK PLAZA NEWARK, NJ 07101	-	LOCAT PSEG NUC GENERAT ALLOWA' HANCOCI	CLEAR LL TNG STAT Y CREEK I	C SALEM ION NECK RD				PSEG PO B	ORT RECI NUCLEAR L OX 236/N21 COCKS BRID	LC
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CHECK IF-APPLICABLE:	∟∟ No Disc	charge this Mor	nitoring Pe	iod L	J Mo	onitoring	Repo	rt Co	mments Attac	hed
responsibility or person designal another entity to operate the tree. I certify under penalty of law that, based on my inquiry of the complete. I am aware that ther to N.J.A.C. 7:14A-6.9(B). The	atment works, t at I have person use individuals e are significan	the highest-rank nally examined immediately real t penalties for	ing official and am far sponsible f submitting	of the conniliar with or obtaining false infor	tract the i g the matic	ed entity nformati informa on, inclu	shall on sub tion, I ding th	mitte belie	the certification this documents that the information of an information of the certification	ment and all attachments, and ormation is true, accurate and d/or imprisonment, pursuant
Robert C. Braun,	Site Vice Presid	dent - Salem						:		N/A
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1/c		,						•	11/20/2009	856-339-1998
SIGNATURE OF PRINCIPAL EXEC	UTIVE OFFICER,	AUTHORIZED A	GENT, OR *	LICENSED	OPER	ATOR		DAT		AREA CODE/PHONE NUMBER
person designated by that person s	hall sign the foll	lowing certification	on:		-				•	a person having that responsibility or
I certify under penalty of law and in	a accordance wit	л м. Ј.Б.А. 58:10.	` '		ewed	tne attaci	ied disc	narge		
NAME AND THE E		CI CINI LIPETI	<u>N/A</u>					ATE	<u>N/A</u>	N/A AREA CODE/PHONE NUMBER
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MONITORED LOCATION:

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482A SW Outfall 482A

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PARAMETER		QUANTITY (OR LOADING	UNITS	QUALI	TY OR CONCENTA	MATION	UNITS	NO. EX.	FREQ. OF	SAMPLE TYPE
ow, In Conduit or iru Treatment Plant	SAMPLE . MEASUREMENT	472	474		****	*****	*****		0	1/Oax	CALCTO
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н .	SAMPLE MEASUREMENT	****	*****		7.7	*****	7.9		0	1/week	GRAB
ntake From Stream	PERMIT REQUIREMENT	******	******	*****	REPORT 01DAMN		REPORT 01DAMX	SU		1/Week	GRAB
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482A SW Outfall 482A

10/1/09 TO 10/31/09

PSEG NUCLEAR LLC SALEM GENERAT

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PARAMETER		QUANTITY (OR LOADING	UNITS	QUALI	TY OR CONCEN	TRATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
imperature,	SAMPLE MEASUREMENT	*****	*****		****	25,4	30.6		0.	Y004	CONTIN
)010 1 ifluent Gross Value	PERMIT REQUIREMENT	******	*****	*****		REPORT. DIMOAV.	REPORT 01DAMX	DEG.C		1/Day	CONTIN:
ab Certification #	SAMPLE MEASUREMENT	17327	17451		PA 166	<u> </u>	*** 10.25 10.25		er = i u		
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NJPDES PERMIT	M	ONITORING PERIO	D	MONI	TORED LOCATION:
NJ0005622	Month Day 10 1	Year Month 2009 To 10	Day Year 31 2009	483A – SW O	Outfall 483A
PERMITTEE: PSE&G NUCLEAR LLC 80 PARK PLAZA NEWARK, NJ 07101		LOCATION OF ACT PSEG NUCLEAR LLC SA GENERATING STATION ALLOWAY CREEK NECK HANCOCKS BRIDGE, NJ	LEM RD	REPORT REPSEG NUCLEA PO BOX 236/N2 HANCOCKS BE	R LLC
		REGION / COUNTY:	Southern / Salem	County	•
CHECK IF APPLICABLE:	No Dischar	rge this Monitoring Period		onitoring Report Com	iments Attached
another entity to operate the treat I certify under penalty of law the that, based on my inquiry of the complete. I am aware that ther to N.J.A.C. 7:14A-6.9(B). The	atment works, the hat I have personally se individuals imme are significant per	ighest-ranking official of the examined and am familiar ediately responsible for obtaining for submitting false collution Control Act provides	e contracted entity with the informati aining the informa information, inclu	shall sign the certific on submitted in this d tion, I believe that the ding the possibility o	locument and all attachments, and e information is true, accurate and f and/or imprisonment, pursuant
NAME AND TITLE OF PRINCIPAL I			LICENSED OPERAT	OR GRADE AND	REGISTRY NUMBER (IF APPLICABLE)
K		,		11/20/20	
SIGNATURE OF PRINCIPAL EXECU	JTIVE OFFICER, AUT	THORIZED AGENT, OR *LICE	NSED OPERATOR	DATE	AREA CODE/PHONE NUMBER
person designated by that person s	hall sign the followin	g certification:	•	•	nnel, a person having that responsibility
I certify under penalty of law and in	accordance with N.J	J.S.A. 58:10A-6F(5) that I hav	e reviewed the attach	ned discharge monitoring	g reports.
<u>N/A</u>	·	<u>N/A</u>		<u>N/A</u>	<u>N/A</u>
NAME AND TITLE		SIGNATURE		DATE	AREA CODE/PHONE NUMBER

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483A SW Outfall 483A

10/1/09 TO 10/31/09

PSEG NUCLEAR LLC SALEM GENERATIN

				2/1/09	10 10/31/69	PSEG NUCI	LEAR LLC SAL	.EM GEN	IERA	TIP	
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ow, in Conduit or aru Treatment Plant	SAMPLE MEASUREMENT	444	471		****	****	*****		0	1/Day	CALCTO
0050 1 ffluent Gross Value	PERMIT REQUIREMENT:	REPORT 01MOAV	REPORT COLDAMX	MGD				*****		i/Day	CALCTD
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11	SAMPLE MEASUREMENT	*****	*****		7.5	****	7.7		0	1/week	GRAB
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10400 7 ntake From Stream	PERMIT REQUIREMENT	**************************************	******	*****	REPORT - 01DAMN	*******	REPORT 01DAMX	รบ		1/Week	GRAB
	L OL.,		1		## 14	F (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Terret Salahan				
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Option 2	, QL	*****			initia Transport Dates	******	******				
Temperature,	SAMPLE MEASUREMENT	****	*****	[****	26.1	32.8		0	YDay	CONTIN
00010 1	PERMIT REQUIREMENT	*****		*****	* ANNATA	REPORT 01MOAV	REPORT	DEG.C		1/Day	<u> </u>
Effluent Gross Value	" OL 14	Em - :******	of Comme		1000 (A3A4A	01MOAV	OTDAWA				

Comments: Any questions in regards to the monitoring report form can be directed to S. Rosenwinkel of the BPSP - Region 2 at (609)292-4860.

MONITORED LOCATION:

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J0005622

483A SW Outfall 483A

19/1/69 TO 10/31/69

PSEG NUCLEAR LLC SALEM GENERATIN

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Comments: Any questions in regards to the monitoring report form can be directed to S. Rosenwinkel of the BPSP - Region 2 at (609)292-4860.

NJPDES PERMIT	MONITORING PERIOD		MONITOI	RED LOCATION:
NJ0005622	Month Day Year Month	Day Year 31 2009	484A – SW Out	
PERMITTEE: PSE&G NUCLEAR LLC 80 PARK PLAZA NEWARK, NJ 07101	LOCATION OF ACTIV PSEG NUCLEAR LLC SALE GENERATING STATION ALLOWAY CREEK NECK RI HANCOCKS BRIDGE, NJ 080	M D 038	REPORT RECI PSEG NUCLEAR LI PO BOX 236/N21 HANCOCKS BRIDO	uC .
	REGION / COUNTY: So	uthern / Salem	County	
CHECK IF APPLICABLE	No Discharge this Monitoring Period	Monitorin	g Report Comments Attacl	ned
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MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

J0005622

484A SW Outfall 484A

10/1/09 TO 10/31/09

PSEG NUCLEAR LLC SALEM GENERATION

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MONITORED LOCATION:

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484A SW Outfall 484A

10/1/09 TO 10/31/09

PSEG NUCLEAR LLC SALEM GENERATIN

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# Surface Water Discharge Monitoring Report Submittal Form

MONITORED LOCATION:

MONITORING PERIOD

NJPDES PERMIT

NJ0005622	To The state of th	2ar   485A – SW Outfall 485A
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
CHECK IF APPLICABLES	REGION / COUNTY: Southern / S  No Discharge this Monitoring Period Moni	Salem County toring Report Comments Attached
the certification or, in his absenthe certification. Where the hig responsibility or person designation	ce a person designated by that person. For a local agency, thest ranking operator does not have the ability to authorize	tional responsibilities for the discharging facility shall sign he highest ranking operator of the treatment works shall sign capital expenditures and hire personnel, a person having that the bottom of this page. If the local agency has contracted with entity shall sign the certification.
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MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

J0005622

485A SW Outfall 485A

10/1/09 TO 10/31/09

PSEG NUCLEAR LLC SALEM GENERATIN

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PARAMETER		QUANTITY C	R LOADING	UNITS	QUALI ⁻	TY OR CONCENTR	ATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
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Н	SAMPLE MEASUREMENT	****	*****		7.7	****	7,9		0	1/week	GRAB
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MONITORED LOCATION:

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FACILITY NAME:

J0005622

485A SW Outfall 485A

10/1/09/TO 10/31/09

PSEG NUCLEAR LLC SALEM GENERATIN

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NJPDES PERMIT	MONITORING PERIOD	MONITORED LOCATION:
NJ0005622	Month         Day         Year           10         1         2009   To           Month         Day         Year           10         31         2009	486A – SW Outfall 486A
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
	REGION / COUNTY: Southern / Salem	County
CHECK IF APPLICABLE	:	Report Comments Attached
responsibility or person design	ated by that person shall also sign the second certification at the bo	l expenditures and hire personnel, a person having that oftom of this page. If the local agency has contracted with
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MONITORED LOCATION:

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FAUILITY IVAIVIE:

J0005622

486A SW Outfall 486A

10/1/09 TO 10/31/09

PSEG NUCLEAR LLC SALEM GENERATIN

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Comments: Any questions in regards to the monitoring report form can be directed to S. Rosenwinkel of the BPSP - Region 2 at (609)292-4860.

ERMIT NUMBER: MONITORED LOCATION: **MONITORING PERIOD:** FACILITY NAME: J0005622 486A SW Outfall 486A 10/1/09 TO: 10/31/09 PSEG NUCLEAR LLC SALEM GENERATIN PARAMETER NÓ. QUANTITY OR LOADING SAMPLE FREQ. OF UNITS QUALITY OR CONCENTRATION UNITS EX. ANALYSIS TYPE b Certification # SAMPLE MEASUREMENT 17327 17451 PA 166 999 99 REPORT Lab# REPORT Lab# PERMIT REQUIREMENT REPORT. REPORT / : Lab.# REPORT..... Not Applie NOT AP Lab#

Comments: Any questions in regards to the monitoring report form can be directed to S. Rosenwinkel of the BPSP - Region 2 at (609)292-4860.

·	MONITORING PERIOD	MONITORED LOCATION:				
NJ0005622	Month         Day         Year           10         1         2009   To           Month         Day         Year           10         31         2009	187B – SW Out	fall 487B			
PERMITTEE: PSE&G NUCLEAR LLC 10 PARK PLAZA NEWARK, NJ 07101	LOCATION OF ACTIVITY: PSEG NUCLEAR LLC SALEM GENERATING STATION ALLOWAY CREEK NECK RD HANCOCKS BRIDGE, NJ 08038	REPORT RECI PSEG NUCLEAR L PO BOX 236/N21 HANCOCKS BRIDG	LC			
	REGION / COUNTY: Southern / Salem Co	unty	· ·			
CHECK IF APPLICABLE	: No Discharge this Monitoring Period  Monitoring	Report Comments Att	ached			
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### Surface Water Discharge Monitoring Report Submittal Form

MONITORED LOCATION:

MONITORING PERIOD

NJPDES PERMIT

NJ0005622	Month Day 10 1	Year           2009         To	Month Day 10 31	Year 2009	489A – SW Out	fall 489A
PERMITTEE: PSE&G NUCLEAR LLC 80 PARK PLAZA NEWARK, NJ 07101		LOCATION PSEG NUCLEAR GENERATING S ALLOWAY CRI HANCOCKS BR	STATION EEK NECK RD	<b>':</b>	REPORT RECI PSEG NUCLEAR LI PO BOX 236/N21 HANCOCKS BRIDO	LC
CHECK IF APPLICABLE	No Disabay	REGION / G	COUNTY: South	ר	County ng Report Comments Atta	anhad
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MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

1J0005622

489A SW Outfall 489A

10/1/09TO 10/31/09

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Comments: If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Region 2 at (609)292-4860 or via email at "srosenwi@dep.state.ni.us".