

Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038-0236

Nuclear Business Unit

April 23, 1997

New Jersey Department of Environmental Protection Bureau of Permit Management CN-029 Trenton, NJ 08625

Dear Chief Caporale:

NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE MONITORING REPORTS SALEM GENERATING STATION PERMIT NO. NJ0005622

Attached is the Discharge Monitoring Report for Salem Generating Station containing the information as required in Permit No. NJ0005622 for the month of March, 1997.

This report is required by and prepared specifically for the Environmental Protection Agency (EPA) and the New Jersey Department of Environmental Protection (NJPDEP). 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 is controlled by EPA and 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 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.

Sincerely,

David F. Garchow General Manager -

Salem Operations

050115

Attachments

9705060133 970331 PDR ADOCK 05000272 R PDR

IE251/1

NJPDES Report Explanation of Deviations March, 1997

The following explanations are included to clarify possible deviations 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.

All reported concentrations are based on daily discharge values.

Total residual chlorine is performed three times per week during chlorination unless otherwise indicated.

Analytical values which are less than detectable are reported as zero unless otherwise indicated.

Analytical results for all parameters other than pH, temperature, TSS, TRC and Bioassay results are provided by Raytheon Environmental Services Laboratory. (NJDEP certification 77373) or South Jersey Testing Laboratory (NJDEP certification 06431). Bioassay results are provided by ENSR Environmental Toxicology Laboratory (NJDEP certification 82888).

Net negative discharge values are reported as negative.

- 489C- Flow thru outfall 489 is calculated based on Oil Water Separator Lift Pump run times.
- 481-486 Chlorination of the circulation water system normally does not occur except as otherwise noted. Service water system chlorination is normally continuos and is monitored on the circulating water system outfall.

Chlorination of both systems will be indicated by results reported for both and represents their combined effect upon the circulating water outfall.

NJPDES Report Explanation of Deviations March, 1997

48C - Non-Radioactive Liquid Waste - This system continues to be operated in a batch mode to treat for hydrazine and ammonia by the addition of sodium hypochlorite. No hydrazine has been discharged from this outfall during the reporting period. Residual chlorine is monitored at the outfalls of DSN's 481, 482, 484, and 485, and has not exceeded the permit limits at these outfalls.

The following excursions are included in the attached report and are explained below. Excursions have not endangered nor significantly impacted public health or the environment.

DSN NO.

EXPLANATION

NONE

COUNTY OF SALEM STATE OF NEW JERSEY

- I, David F. Garchow, of full age, being duly sworn according to law, upon my oath depose and say:
 - 1. I am General Manager of Salem Generating Station, and as such, am authorized to sign 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 have reviewed the attached Discharge Monitoring Reports. Pursuant to N.J. A. C. 7:14A-2.4, 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 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.

David F. Garchow General Manager -Salem Operations

Sworn and subscribed before me

this 24 day of Opril 1997.

BARBARA A. POWELL
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Dec. 2, 1998
ID # 2160323

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES NO.

REPORTING PERIOD

MO. YR.

MO. YR.

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0 3 9 7 THRU 0 3 9 7

PERMITTEE:	Name	Public Service Electric a	nd Gas Company	
	Address _	P.O. Box 236		
	_	Hancock's Bridge, NJ O	8038	
FACILITY:	Name	Salem Nuclear Generati	ng Station	
	Address _	Alloway Creek Neck Ro	ad	·
		Hancock's Bridge	(County) Salem	
	Telephone	(609) 935-6000		
FORMS ATTACH	ED (Indicate	Quantity of Each)	OPERATING EXCEPTIONS	
SLUDGE REPORTS -	Sanitary			YES NO
T-VWX-007	T-VW	2X-008 T-VWX-009	DYE TESTING	
SLUDGE REPORTS - I	Industrial		TEMPORARY BYPASSING	
T-VWX-010A	T-VW	X-010B	DISINFECTION INTERRUPTION	
WASTEWATER REPO	RTS		MONITORING MALFUNCTIONS	
T-VWX-011	T-VW	/X-012 T-VWX-013	UNITS OUT OF OPERATION	
GROUNDWATER REP	PORTS		OTHER	
VWX-015(A,E	B) VMX-	016	(Detail any "Yes" on reverse side in appropriate space.)	e
NPDES DISCHARGE		REPORT	NOTE: The "Hours Attended at	Plant" on the
12 EPA FORM 33	320-1		reverse of this sheet must also b	
AUTHENTICATION	informat of those submitte	ion submitted in this docu individuals immediately re d information is true, acc	I have personally examined and am fam ment and all attachments and that, base esponsible for obtaining the information, urate and complete. I am aware that the mation including the possibility of fine a	ed on my inquir I believe the re are significa
LICENSED OPER	ATOR		PRINCIPAL EXECUTIVE OFFICER or DULY AUTHORIZED REPRESENTAT	IVE
Name (Printed) _	OHN F. LEOP	PARDI	Name (Printed) David F. Garchow	
Grade & Registry	N-2 00	013703	Title (Printed) Gen. Mgr. Salem Oper	ations
Signature			Signature Dand F. Yarch	
Date 04/22/9	97		Date 04/23/97	

OPERATING EXCEPTIONS DETAILED		Page 2
,		
none		· · · · · · · · · · · · · · · · · · ·
		
	 	
		
	 	
		

HOURS ATTENDED AT PLANT

Month 0 3 Year 9 7

Day of Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Licensed Operator	0	0	8	8	8	8	8	0	0	8	8	8	8	8	0	0
Others	4	4	4	4	4	4	4	4	4	4	4	4	-4	4	4	4
Day of Month	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Licensed Operator	8	8	8	8	8	0	0	8	8	8	8	0	0	0	8	
Others	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	

NAME PSE&G ADDRESS P.O. BOX 236/N21 NJ0005622 **FACA** HANCOCKS BRIDGE, NJ 08038 PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD FACILITY PSE&G SALEM GENERATING STATION YEAR MO DAY YEAR DAY FROM LOCATION LOWER ALLOWAYS CREEK, NJ 08038 97 31 97 01 03 03

THERMAL DSCHG FOR DSN 481-483 SOUTHERN REGION / SALEM

DMR NUMBER: NJ000562		031997		22-23) (24		8-29) (30-31)	OUTHERN RE	01011 /	•	JAHHI	-	
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EFFLUENT TEMP IS TO BE CALCULATED AS THE COMBINED AVERAGE OF EACH OF THE SEPARATE DISCHARGES 481-483.

NET TEMP DIF IS THE DIFFERENCE BETWEEN THE AMBIENT RIVER WATER TEMP AND THE AVE EFFLUENT TEMP OF 481-483.

DEDMITTER	NAME/ADDRESS	
PERMITTER	NAME/AUDRESS	

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MAJOR

IAMB	PSE&G			(2-16)				(17-	19)	
DDRESS	P.O. BOX 236/N21		NJ00	0562	2]		FACE		
	HANCOCKS BRIDGE, NJ 08038		PERM	IT NUMB	ER]	DIS	CHARGE	NUMBER	
					MONIT	ORING	PERIO)		
ACILITY	PSE&G SALEM GENERATING STATION	ADOM	YEAR	MO	DAY		YEAR	мо	DAY	
OCATION	LOWER ALLOWAYS CREEK, NJ 08038	FROM	97	03	01	^{TO}	97	03	31	
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THERMAL DSCHG FOR DSN 484-486 SOUTHERN REGION / SALEM

LOCATION LOWER ALLOWAYS	CREEK, NJ		- FROM	97	03 ()1 TO	97	03 3	1 s	OUTHERN RE	GION	/	SALEM		
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PARAMETER		(3 Card Only) (46-53)	QUANTITY (54-		NG	(4 Card	Only) -45)	QUALITY (46-	OR CONCER	TRATION (54-61)	,	NO.	FREQ.	SAMPL	B
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EFFLUENT TEMP IS TO BE CALCULATED AS THE COMBINED AVERAGE OF EACH OF THE SEPARATE DISCHARGES 484-486.

NET TEMP DIF IS THE DIFFERENCE BETWEEN THE AMBIENT RIVER WATER TEMP AND THE AVE EFFLUENT TEMP OF 484-486.

EPA FORM 3320-1 (Rev. 9-88) Previous editions may be used.

LABS: 17327 06431 82888 77343

PAGE 1 OF 1

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

MAJOR

NAME PSE&G P.O. BOX 236/N21 ADDRESS HANCOCKS BRIDGE, NJ 08038 FACILITY PSE&G SALEM GENERATING STATION

NJ0005622 048C PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD

YEAR YEAR

DAY

LOCATION LOWER ALLOWAYS			FROM 97			03 31	SOUTHERN RE	GION	/ SALEM	
DMR NUMBER: NJ0005622	2 048C	031997	(20-21) (22-23) (24	-25) (26-27) (21 (4 Card Only)	8-29) (30-31) QUALITY OR CO	NCENTRATION		 	T
PARAMETER	* *	(3 Card Only) ((46-53)	(54-61)		(38-45)	(46-53)	(54-61)	· · · · · · · · · · · · · · · · · · ·	NO. FREQ.	SAMPLE
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NAME / TITLE DRIVING DAY DAY OF THE OWNER OF	REQUIREMENT		<u> </u>					**	Prove	DATE
NAME/TITLE PRINCIPAL EXECUTIVE OF DAVID F. GARCHOW	AND AM F	I UNDER PENALTY (AMILIAR WITH THE	INFORMATION SUBM	E PERSONA ITTED HER	EIN; AND BASED	$\sim 01/$	' <i> </i>	TRUE	PHONE	DATE
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TYPED OR PRINTED	33 USC \$	1319. (Penalties	s under these sta	tutes may	include fines up onths and 5 years	to EXECUTI	VE OFFICER OR	AREA CODE	NUMBER YEA	R MO DAY

PSE&G NAME ADDRESS P.O. BOX 236/N21 HANCOCKS BRIDGE, NJ 08038

FACILITY PSE&G SALEM GENERATING STATION

LOCATION LOWER ALLOWAYS CREEK, NJ 08038

NJ0005622 481A PERMIT NUMBER DISCHARGE NUMBER

MONITORING PERIOD YEAR DAY MO YEAR FROM 97 03 01 97 03 31

SOUTHERN REGION /

DAY

SALEM

DMR NUMBER: NJ000562	<u> </u>	031997	(20-21) (22-23) (24		03 31 S(8-29) (30-31)	OUTHERN RE	GION /	52	ALEM	<u>.</u>
PARAMETER		(3 Card Only) (46-53)	QUANTITY OR LOADII (54-61)	NG	(4 Card Only) (38-45)	QUALITY OR CONCE (46-53)	NTRATION (54-61)		NO.	FREQ.	SAMPLE
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EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MNTH AVG	DLY MAX	MGD				***			
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RESIDUAL	SAMPLE MEASUREMENT			<u> </u>				}		EEK	
50060 S 0		*****	*****	****	*****	REPORT	.2	MG/L	T	HREE	GRAB
SEE COMMENTS BELOW	PERMIT REQUIREMENT			****		MNTH AVG	DLY MAX		W	EEK	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
			İ				h	1			
NAME/TITLE PRINCIPAL EXECUTIVE OF	AND AM F	Y UNDER PENALTY AMILIAR WITH THE	OF LAW THAT I HAV INFORMATION SUBM	K PERSONA ITTED HER	REIN; AND BASED	1001	<i>'</i> / ⊢	TRLE	HONE		DATE
NAME/TITLE PRINCIPAL EXECUTIVE OF DAVID F. GARCHOW GEN.MGR.SALEM OPERAT	ON MY IN OBTAININ OBTAININ NICHTER	QUIRY OF THOSE IS G THE INFORMATION ACCURATE AND COMPRESS OF STREET	NDIVIDUALS IMMEDI N, I BELIEVE THE MPLETE. I AM AWAR UBMITTING FALSE I	ATELY RES SUBMITTED B THAT TH NFORMATIO	SPONSIBLE FOR D INFORMATION HERE ARE SIG-	O.F. Havel	of principal	09 93!	5-60	00 97	04 23
TYPED OR PRINTED					y include fines up months and 5 years	to EXECUTIVE	OFFICER OR A	REA ODE 1	TUMBER	YEAF	MO DAY
DADAMETED SOURCE LOCAL			 -				(NOPMAT. CO				11

PARAMETER 50060 LOCATIONS: "R" = SWS DSCHG (NO CWS FLOW) "S" = SWS DSCHG (NORMAL COND)

ENTER "NODI" FOR LOCATIONS THAT DO NOT APPLY.

WHEN MAIN CONDENSERS ARE CHLORINATED, MONITOR TRC 3 TIMES PER WEEK DURING 2-HR PERIODS OF CHLORINATION.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR) -19)

MAJOR

AMR	PSE&G			SCHARGE (2-16)	MONITO	RING	REPORT	(DMR) (17-	•
DDRESS	P.O. BOX 236/N21		00UN	0562	2]		482 <i>I</i>	١
	HANCOCKS BRIDGE, NJ 08038		PERM	IT NUMB	ER		DIS	CHARGE	•
		_			MONIT	ORING	PERIO	,	
ACILITY	PSE&G SALEM GENERATING STATION	FROM	YEAR	мо	DAY	то	YEAR	МО	
つてみですへい	LOWED ALLOWAYS CREEK NI 00020	FROM		0.3	Δ1	1 10	07	^-	•

NUMBER DAY

LOCATION LOWER ALLOWAYS	CREEK, NJ		- FROM	97	03 0	1 TO 97	03 31	SOUTHERN RE	GION /	/ {	SALEM		
DMR NUMBER: NJ000562	2 482A	031997		(20-21) (22-23) (24	-25) (26-27) (2	8-29) (30-31)		·			-	
PARAMETER	• • • •	(3 Card Only) ((46-53)	QUANTITY (54-6	OR LOADI	ng	(4 Card Only) (38-45)	QUALITY OR ((46-53)	CONCENTRATION (54-61)		NO.	FREQ.	SAMPLI	B
(32-37)					UNITS				UNITS	(62 63)	ANALYSIS (64-68)	TYPE (69-70))
LC50 STATRE 96HR ACU CYPRINODON	SAMPLE MEASUREMENT	*****	**	****		CODE=N	***	***		\longrightarrow	CODE=N		
TAN6A 1 0 EFFLUENT GROSS VALUE	PERKIT REQUIREMENT	*****	**	***	****	50 DAILY MY		***	PERCE		QTRLY		
PH	SAMPLE MEASUREMENT	*****	**	****		7.5	<u>ar err coetacospecientamentos</u>	*** 7.8	2000	Ov	MEEKLY	GRAB	
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	**	****	****	6.0 MINIMUM		9.0 MAXIMUM	នប		VEEKLY	GRAB	
PH	SAMPLE MEASUREMENT	*****	**	****		7.6				OV	VEEKLY	GRAB	<u>.000031</u>
00400 7 0 INTAKE FROM STREAM	PERMIT REQUIREMENT	*****	**	****	****	REPORT MINIMUM	U S CO-ANDOCA COMO COMO COMO COMO COMO COMO COMO C	*** REPORT	8881	Ý	MEEKLY	GRAB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	5.6		15.8		****	***	*** *****	,	Oİ	DAILY	CALC	ΓD
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MNTH AVG	**********	PORT MAX	MGD	****	***	***	****		DAILY		מיז
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	**	****		****	< (0.1	2	∤	THREE/ WEEK		
50060 R 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	**	****	****	****	MNTH	Variation of the control of the con	MG/L		Three/ Week	GRAB	
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	**	****		****	N	IDOI IODI]		NODI	
50060 S 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	**	****	****	****	REPO MNTH		MG/L	100000000000000000000000000000000000000	THREE/ WEEK	GRAB	
	SAMPLE MEASUREMENT					_							
	PERMIT REQUIREMENT							0					ੂੰ ਹੈ: <u>ਪੰਜਾ</u>
NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER I CERTIF	Y UNDER PENALTY (OF LAW THE	AT I HAV	E PERSONA	LLY EXAMINED	(101/	TELEP	HONE		DATE	
NAME/TITLE PRINCIPAL EXECUTIVE OF DAVID F. GARCHOW GEN.MGR.SALEM OPERAT	ON MY INCOMMENTAL ON SIS TRUE, NIFICANT	OUIRY OF THOSE IN G THE INFORMATION ACCURATE AND COM- PENALTIES FOR ST	NDIVIDUALS N, I BELII MPLETE I UBMITTING	S IMMEDI EVE THE AM AWAR FALSE I	ATELY RES SUBMITTED E THAT TH NFORMATIO	PONSIBLE FOR INFORMATION ERE ARE SIG- N, INCLUDING	D.r. 7		509 935	5 - 6(000 97	04	23
TYPED OR PRINTED	THE POSS 33 USC \$ \$10,000	1319. (Penalties and/or maximum in	AND IMPRIS s under th mprisonmen	sonment. hese sta nt of be	SEE 18 U tutes may tween 6 m	include fines up	signal execution author	RIZED AGENT		UMBER	R YEAR	MO DA	AY
PARAMETER 50060 LOCA	TIONS: "F	R" = SWS D	SCHG ((NO C	WS FLC)W) "S" =	SWS DSC	HG (NORMAL CO)ND)				

ENTER "NODI" FOR LOCATIONS THAT DO NOT APPLY.

WHEN MAIN CONDENSERS ARE CHLORINATED, MONITOR TRC 3 TIMES PER WEEK DURING 2-HR PERIODS OF CHLORINATION.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

MAJOR

NAME PSE&G ADDRESS P.O. BOX 236/N21 HANCOCKS BRIDGE, NJ 08038

NJ0005622 483A PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD YEAR DAY

FACILITY PSE&G SALEM GENERATING STATION FROM

MO YEAR

OCATION LOWER ALLOWAYS	CREEK, NO		97				OUTHERN REG	GION /	SALEM	
DMR NUMBER: NJ000562	2 483A	031997		22-23) (24		8-29) (30-31)				·
PARAMETER	* • _ • *	(3 Card Only) ((46-53)	(3 Card Only) QUANTITY OR LOADING (4 Card Only) QUALITY (46-53) (54-61) (38-45) (46						NO. PREQ.	
(32-37)				UNITS				UNITS	NO. FREQ. OF (62 ANALYSIS 63) (64-68)	SAMPLE TYPE (69-70)
LC50 STATRE 96HR ACU	SAMPLE MEASUREMENT	*****	*****		CODE=N	*****	*****		0 CODE=1	
CYPRINODON	MEASUREMENT									
TANGA 1 0	PERKIT REQUIREMENT	*****	*****	****	50		*****	PERCE	QTRLY	
EFFLUENT GROSS VALUE PH	KROOTKENKAL	*****	*****		DAILY MN	000000000000000000000000000000000000000	7.8	NT	OWEEKL	CDAD
Pn ·	Sample Measurement	*****	*****		7.6	****	7.8		OWEEKL	GRAR
00400 1 0		*****	*****	****	6.0	*****	9.0	នប	WEEKL	GRAB
EFFLUENT GROSS VALUE	PERKIT REQUIREMENT			***	MINIMUM		MAXIMUM			
PH	SAMPLE MEASUREMENT	*****	*****		7.6	*****	7.9		OWEEKL	GRAB
00400 7 0		*****	*****	****	REPORT	*****	REPORT	ຮບ	WEEKL	GRAB
INTAKE FROM STREAM	PERMIT REQUIREMENT			****	MINIMUM	.	MAXIMUM			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	4.8	13.4		*****	*****	*****		ODAILY	CALCTI
50050 1 0	MEASUREMENT	REPORT	REPORT		*****	*****	*****	****	DATEN	CALCTI
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MNTH AVG	***************************************	MCD	*****			***	DALLI	CAUCIL
CHLORINE, TOTAL	REGUZACIONI	*****	*****	MGD	*****	< 0.1	0.2	-	OTHREE	GRAB
RESIDUAL	Sample Measurement						0.2		WEEK	
50060 R 0		*****	*****	****	*****	.3	.5	MG/L	THREE	GRAB
SEE COMMENTS BELOW	PERKIT PERKIT			****		MNTH AVG	DLY MAX		WEEK	
CHLORINE, TOTAL	SAMPLE	*****	*****		*****	NODI	NODI		0NODI	NODI
RESIDUAL	MEASUREMENT									
50060 S 0	PERMIT REQUIREMENT	*****	*****	****	*****		•	MG/L	THREE	GRAB
SEE COMMENTS BELOW	REQUIREMENT			****		MNTH AVG	DLY MAX		WEEK	
	SAMPLE MEASUREMENT									
•	PERMIT REQUIREMENT						Λ			
NAME /TITLE DRINGIDAL PERGITTIP OF	Marian (Tarania) and (1966)	Y INDER DENKITY	I OP IAW THAT I HAV	P DESCONS	ILV PYANTNED		//_	TELEF	HOME	DATE
DAVID F GARCHOW	AND AM F.	AMILIAR WITH THE	INFORMATION SUBM	ITTED HER	EIN; AND BASED	$\cap \land () \land () \land () \land () \land () \land () \land () \land ($	7 // F			$\overline{1}$
NAME/TITLE PRINCIPAL EXECUTIVE OF DAVID F. GARCHOW GEN.MGR.SALEM OPERAT	IONSIS TRUE,	G THE INFORMATION ACCURATE AND COMPENALTIES FOR S	N, I BELIEVE THE MPLETE. I AM AWAR UBMITTING FALSE I	SUBMITTED B THAT TH NFORMATIO	INFORMATION ERE ARE SIG- N, INCLUDING	V. Y. 1/2		09 93	5-6000 9'	7 04 23
1	THE POSS	1319. (Penaltie	AND IMPRISONMENT.	SEE 18 U	SC § 1001 AND Linclude fines up onths and 5 years	to EXECUTIVE .) AUTHORIZED	OF PRINCIPAL OFFICER OR A	REA CODE 1	TUMBER YEA	R MO DAY
TYPED OR PRINTED PARAMETER 50060 LOCA							(NORMAL CO		TEA TEA	IN INC.

PARAMETER 50060 LOCATIONS: "R" = SWS DSCHG (NO CWS FLOW) ENTER "NODI" FOR LOCATIONS THAT DO NOT APPLY.

WHEN MAIN CONDENSERS ARE CHLORINATED, MONITOR TRC 3 TIMES PER WEEK DURING 2-HR PERIODS OF CHLORINATION. LABS: 17327 06431 82888 77343

NAME PSE&G P.O. BOX 236/N21 ADDRESS HANCOCKS BRIDGE, NJ 08038

FACILITY PSE&G SALEM GENERATING STATION

NJ0005622 484A PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD YEAR DAY YEAR

FROM

CATION LOWER ALLOWAYS			97	03 0			OUTHERN REC	GION /	SALEM	
DMR NUMBER: NJ0005622	<u> 484A </u>	031997		22-23) (24-		3-29) (30-31)				
PARAMETER	* • • • •	= (3 Card Only) QUANTITY OR LOADING (4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)							NO. FREQ.	SAMPLE
(32-37)				UNITS				UNITS	(62 ANALYSIS 63) (64-68)	TYPR (69-70)
LC50 STATRE 96HR ACU CYPRINODON	SAMPLE MEASUREMENT	*****	*****		CODE=N	*****	*****		0 CODE=1	CODE=N
TAN6A 1 0	PERMIT	*****	******	****	50	*****	*****	PERCE	QTRLY	
EFFLUENT GROSS VALUE	THRMERIUGER			****	DAILY MN			NT		
PH	Sample Measurement	*****	*****		7.5	*****	7.7		OWEEKL	GRAP
00400 1 0	PERMIT	*****	*****	****	6.0	*****	9.0	នប	WEEKL:	GRAB
EFFLUENT GROSS VALUE	PRQUIREMENT			****	MINIMUM		MAXIMUM			
PH	SAMPLE MEASUREMENT	*****	*****		7.6	*****	7.9		OWEEKL	
00400 7 0	PERMIT	*****	*****	****	REPORT	*****	REPORT	នប	WEEKL	GRAB
INTAKE FROM STREAM	REQUIREMENT			****	MINIMUM		MAXIMUM			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	Sample Measurement	32.2	241.6		****	****	****		0DAILY	CALCTD
500 50 1 0		REPORT	REPORT		*****	*****	*****	****	DAILY	CALCTE
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MNTH AVG	<u> </u>	MGD				***		
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	****	*****		*****	< 0.1	0.1		OTHREE, WEEK	GRAB
50060 R 0	PERMIT	*****	*****	****	*****	•-	±	MG/L	THREE	GRAB
SEE COMMENTS BELOW	REQUIREMENT			****		MNTH AVG			WEEK	
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	****	*****		****	< 0.1	< 0.1		OTHREE, WEEK	
50060 S 0	PERMIT	*****	*****	****	*****	REPORT	.2	MG/L	THREE	GRAE
SEE COMMENTS BELOW	REQUIREMENT			****		MNTH AVG	DLY MAX		WEEK	
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT					_	^			
NAME/TITLE PRINCIPAL EXECUTIVE OF	<u> </u>	Y UNDER PENALTY	OF LAW THAT I HAV	E PERSONA	LLY EXAMINED	$- \alpha \cap l$	/ 	TRLEF	HONE	DATE
DAVID F. GARCHOW GEN.MGR.SALEM OPERAT	AND AM F. ON MY IN OBTAININ IONSIS TRUE,	AMILIAR WITH THE QUIRY OF THOSE IN G THE INFORMATION ACCURATE AND CON-	INFORMATION SUBM NDIVIDUALS IMMEDI N, I BELIEVE THE MPLETE, I AM AWAR URMITTING FALSE T	ITTED HER ATELY RES SUBMITTED E THAT TH	EIN; AND BASED PONSIBLE FOR INFORMATION ERE ARE SIG- N. INCLUDING	D.F. Ypre	how 5	09, 93!	5-6000 9	7 04 23
	THE POSS	IBILITY OF FINE	AND IMPRISONMENT.	SEE 18 U	SC \$ 1001 AND	SIGNATURE EXECUTIVE	OF PRINCIPAL A	REA		
	33.036.3	1313. (Penaitie	a miner chese are	cuces may	THETHOR ITMES UP	.) AUTHORIZED		ODE N	NUMBER YEA	R MO DAY

PARAMETER 50060 LOCATIONS: "R" = SWS DSCHG (NO CWS FLOW) "S" = SWS DSCHG (NORMAL COND) ENTER "NODI" FOR LOCATIONS THAT DO NOT APPLY.

WHEN MAIN CONDENSERS ARE CHLORINATED, MONITOR TRC 3 TIMES PER WEEK DURING 2-HR PERIODS OF CHLORINATION. PAGE 1 OF EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

NAME PSE&G P.O. BOX 236/N21 ADDRESS HANCOCKS BRIDGE, NJ 08038 FACILITY PSE&G SALEM GENERATING STATION FROM LOCATION LOWER ALLOWAYS CREEK, NJ 08038

NJ0005622 485A PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD YEAR YEAR DAY MO DAY MO 97 03 01 97 03 31

SOUTHERN REGION / SALEM

DMR NUMBER: NJ000562	2 485A	031997		22-23) (24	-25) (26-27) (28			•			-
PARAMETER	**		QUANTITY OR LOADING (54-61)	NG	(4 Card Only) (38-45)	QUALITY OR CONCEN	TRATION (54-61)		NO.	OF	SAMPLE
(32-37)				UNITS				UNITS	1162	ANALYSIS (64-68)	TYPE (69-70)
LC50 STATRE 96HR ACU CYPRINODON	SAMPLE MEASUREMENT	*****	*****		CODE=N	*****				CODE=N	CODE=1
TAN6A 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	50 DAILY MN		*****	PERCI NT	ਹ ਿ	QTRLY	
PH	SAMPLE MEASUREMENT	****	*****		7.4	****	7.8		0	WEEKLY	GRAI
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM		9.0 MAXIMUM			WEEKLY	
РН	SAMPLE MEASUREMENT	*****	****		7.6		7.9		L_	WEEKLY	
00400 7 0 INTAKE FROM STREAM	PERMIT REQUIREMENT	*****		****	REPORT MINIMUM		REPORT MAXIMUM	31		WEEKLY	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	210.9	224.2		*****		****				CALCTI
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MNTH AVG	DLY MAX		*****			***			CALCTI
CHLORINE, TOTAL RESIDUAL	Sample Measurement	*****	*****		*****		< 0.1		1	THREE/ WEEK	
50060 R 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	*****	MNTH AVG	DLY MAX			THREE/ WEEK	
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****		*****	(0.1	< 0.1		,	THREE/ WEEK	
50060 S 0 SEE COMMENTS BELOW	PERMIT RHQUIREMENT	*****	*****	****	*****	REPORT MNTH AVG		MG/L		THREE/ WEEK	GRAB
	Sample Mrasurement										
	PERMIT REQUIREMENT						1				
NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER I CERTIF	Y UNDER PENALTY OF AMILIAR WITH THE	OF LAW THAT I HAV INFORMATION SUBM	E PERSONA ITTED HER	LLY EXAMINED EIN; AND BASED	~ 200	/ /	TELE	HONE		DATE
NAME/TITLE PRINCIPAL EXECUTIVE OF DAVID F. GARCHOW GEN.MGR.SALEM OPERAT	ON MY IN OBTAINING OBTAINI	OUIRY OF THOSE IN G THE INFORMATION ACCURATE AND COMPENALTIES FOR STREET	NDIVIDUALS IMMEDIN, I BELIEVE THE MPLETE. I AM AWAR UBMITTING FALSE I AMDITING FALSE I	ATELY RES SUBMITTED E THAT TH NFORMATIO	PONSIBLE FOR INFORMATION ERE ARE SIG- IN, INCLUDING ISC 5 1001 AND	J. Paul	6 DELECTION	09 93	5 - 6	000 97	04 23
TYPED OR PRINTED	33 USC S \$10,000	1319. (Penaltie and/or maximum is	s under these sta mprisonment of be	tutes may	include fines up	to EXECUTIVE (OFFICER OR A	REA CODE 1	TUMBE	R YEA	R MO DAY

"S" = SWS DSCHG (NORMAL COND) PARAMETER 50060 LOCATIONS: "R" = SWS DSCHG (NO CWS FLOW) ENTER "NODI" FOR LOCATIONS THAT DO NOT APPLY.

WHEN MAIN CONDENSERS ARE CHLORINATED, MONITOR TRC 3 TIMES PER WEEK DURING 2-HR PERIODS OF CHLORINATION.

NATIONAL POLLUTANT DISCHARGE BLIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

MAJOR

IAME	PSE&G	
DDRESS	P.O. BOX	236/N21 — — — — — — — —
	HANCOCKS	BRIDGE, NJ 08038

NJ0005622 486A PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD DAY FROM 97 31 03 97 03 01

FACILITY PSE&G SALEM GENERATING STATION LOCATION LOWER ALLOWAYS CREEK, NJ 08038

SALEM SOUTHERN REGION /

DMR NUMBER: NJ000562		031997		22-23) (24		8-29) (30-31)	OOTHER RE	, ,			•
PARAMETER	*	(3 Card Only) (46-53)	QUANTITY OR LOADIN	4G	(4 Card Only) (38-45)	QUALITY OR CONCE (46-53)	NTRATION (54-61)		NO.	FREQ.	SAMPLE
(32-37)			,	UNITS				UNITS	(62 AN 63) (6	TALYSIS	TYPE (69-70)
LC50 STATRE 96HR ACU CYPRINODON	SAMPLE MEASUREMENT	*****	*****		CODE=N	*****	*****		000	DE=N	CODE=N
TAN6A 1 0 EFFLUENT GROSS VALUE	PERMIT	*****	*****	****	50		*****	1 22.002	QT	RLY	
PH PH	REQUIREMENT SAMPLE MRASUREMENT	*****	*****	****	DAILY MN 7.5		7.8	NT	OWE	EEKLY	GRAP
00400 1 0 EFFLUENT GROSS VALUE	DEDMIT	*****	*****	****	6.0 MINIMUM	•	9.0 MAXIMUM	នប	WE	EEKLY	GRAB
РН	SAMPLE MEASUREMENT	*****	*****		7.6	***************************************	7.9		OWE	EEKLY	GRAB
00400 7 0 INTAKE FROM STREAM	PERMIT REQUIREMENT	*****	*****	****	REPORT MINIMUM	•	REPORT MAXIMUM	នប			GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	56.0	214.4		****	*****	*****		_ _		CALCTI
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MNTH AVG	REPORT DLY MAX	MGD	*****	*****	*****	****			CALCTI
CHLORINE, TOTAL RESIDUAL	SAMPLE MRASUREMENT	****	*****		****	< 0.1	0.2		WE	IREE/ EEK	
50060 R 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	****	*****	****	*****	MNTH AVG	* ***********************************	MG/L	WE	CEK	GRAB
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	****		****	< 0.1	< 0.1		WE	EEK	GRAB
50060 S 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	****	REPORT MNTH AVG	*	MG/L		iree/ Sek	GRAB
	SAMPLE MEASUREMENT										
	PERKIT RBQUIREMENT						7				
NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER I CERTIF	Y UNDER PENALTY (OF LAW THAT I HAV	E PERSONA ITTED HER	LLY EXAMINED BIN; AND BASED	00		TELEP	HONE		DATE
NAME/TITLE PRINCIPAL EXECUTIVE OF DAVID F. GARCHOW GEN.MGR.SALEM OPERAT	ON MY IN OBTAININ ION SIS TRUE, NIFICANT	QUIRY OF THOSE IN G THE INFORMATION ACCURATE AND CON PENALTIES FOR SI	NDIVIDUALS IMMEDING I BELIEVE THE STANDARD AWAR JEMITTING PALSE IN AMAR JEMITTING PALSE PALSE IN AMAR JEMITTING PALSE PALSE PA	ATELY RES SUBMITTED E THAT TH NFORMATIO	PONSIBLE FOR INFORMATION ERE ARE SIG- N, INCLUDING	Q.L. Haw	her 6	09 935	5-600	97	04 23
TYPED OR PRINTED	\$10,000	and/or maximum in	mprisonment of be	tween 6 m	onths and 5 years	.) EXECUTIVE AUTHORIZED	OFFICER OR A AGENT C		UMBER	YEAR	MO DAY
PARAMETER 50060 LOCA	TO TO . 111	סוו – מעזמ די	COUC (NO C	אור שו מ	NG 11 C 11 _	CMC DCCMC	(NORMAL CO	ATTA I			

"S" = SWS DSCHG (NORMAL COND) PARAMETER 50060 LOCATIONS: "R" = SWS DSCHG (NO CWS FLOW) ENTER "NODI" FOR LOCATIONS THAT DO NOT APPLY.

WHEN MAIN CONDENSERS ARE CHLORINATED, MONITOR TRC 3 TIMES PER WEEK DURING 2-HR PERIODS OF CHLORINATION. LABS: 17327 06431 82888 77343 PAGE 1 OF EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

PSE&G

NAME

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

#3 OIL SKIM TANK DSN-487B

SALEM

ADDRESS P.O. BOX 236/N21 HANCOCKS BRIDGE, NJ 08038

NJ0005622 487B PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD YEAR MO DAY YEAR DAY MO FROM TO 97 01 97 03 03 31

MAJOR SOUTHERN REGION

LOCATION LOWER ALLOWAYS CREEK, NJ 08038

FACILITY PSE&G SALEM GENERATING STATION

DMR NUMBER: NJ000562	2 487B	031997	(20-21) (22-23) (24	-25) (26-27) (2	8-29) (30-31)					•
PARAMETER		(3 Card Only) (46-53)	QUANTITY OR LOADII (54-61)	NG	(4 Card Only) (38-45)	QUALITY OR CONCER (46-53)	TRATION (54-61)		NO.	FREQ.	SAMPLE
PARAMETER (32-37)				UNITS				UNITS	(62	ANALYSIS (64-68)	
TEMPERATURE, WATER	SAMPLE	*****	*****		*****	NODI	NODI		0	NODI	NODI
DEG. CENTIGRADE	MEASUREMENT	γ.									
00010 1 0	PERMIT	*****	*****	****	*****	REPORT	43.3	DEG.	d	ONCE/	GRAB
EFFLUENT GROSS VALUE	REQUIREMENT			****		MNTH AVG	DLY MAX			DISCH	į.
PH	SAMPLE MEASUREMENT	****	*****		NODI	*****	NODI		0	NODI	NODI
00400 1 0	MARSUKEMENT	*****	*****	****	6.0	*****	9.0	GII		ONCE/	CDAD
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			****	F0000000000000000000000000000000000000	•					
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00530 1 0	MEASUREMENT	*****	*****	****	*****	REPORT	100	MG/L	333333	ONCE/	CDAD
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50050 1 0		REPORT	REPORT		*****	*****	*****	****		ONCE/	CAL
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				8							
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NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER I CERTIF	Y UNDER PENALTY O	OF LAW THAT I HAV	E PERSONA	LLY EXAMINED	00		TELE	PHONE	:	DATE
NAME/TITLE PRINCIPAL EXECUTIVE OF DAVID F. GARCHOW	ON MY IN	AMILIAR WITH THE QUIRY OF THOSE IN	INFORMATION SUBM IDIVIDUALS IMMEDI	ATELY RES	PONSIBLE FOR	ar W					
GEN.MGR.SALEM OPERAT	IONSIS TRUE,	G THE INFORMATION ACCURATE AND COM PENALTIES FOR SU	N, I BELIEVE THE PLETE. I AM AWAR JEMITTING FALSE I	SUBMITTED B THAT TH NFORMATIC	INFORMATION ERB ARE SIG- ON, INCLUDING	U.H. //au		09 93	5 - 6	000 97	7 04 23
	THE POSS	1319. (Penalties	AND IMPRISONMENT. s under these sta	tutes may	SC \$ 1001 AND L include fines up conths and 5 years	to EXECUTIVE		REA		20 000	P VO DAY
TYPED OR PRINTED	\$10,000	and/or maximum in	mprisonment of be	tween 6 m	ontns and 5 years	.) AUTHORIZED	AGENT C	ODE	NUMBE	SR YEA	R MO DAY

NAME	PSE&C	3					
ADDRESS	P.O.	BOX	236/N	21			
	HANC	CKS	BRIDG	E, NJ	0803	8	

NJ0005622 489C PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD

YEAR MO

PARAMETER			(3 Card Only) QUANTITY OR L (46-53) (54-61)			(4 Card Only) (38-45)	QUAL	ITY OR CONCE	NTRATION (54-61)		NO. FREQ.	SAMPLE
(32-37)					UNITS					UNITS	(62 ANALYSIS 63) (64-68)	(69-70)
PH	SAMPLE MEASUREMENT	*****	**	****		7.	7	****	7.7		0 ONCE/	GRAB
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YDROCARBONS, IN H20,		*****	**	***		****	*****	< 0.5	***************************************	1	OONCE/	GRAB
R,CC14 EXT. CHROMAT	SAMPLE MEASUREMENT				•		1				MONTH	
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CARBON, TOT ORGANIC	G. V. T.	*****	**	****	-	****	*	3	3		OONCE/	GRAB
(TOC)	SAMPLE MEASUREMENT								1	1	МОИТН	-
00680 1 0	PERMIT	*****	**	****	****	****	*	REPORT	50	MG/L	ONCE/	GRAB
EFFLUENT GROSS VALUE	REQUIREMENT				****		2	INTH AVG	DLY MAX		HTROM	
LOW, IN CONDUIT OR	SAMPLE	0.1383	0.	1383		****	*	****	*****		00NCE/	CALC
THRU TREATMENT PLANT	MEASUREMENT										MONTH	<u> </u>
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EFFLUENT GROSS VALUE	REQUIREMENT	MNTH AVG	DLY	MAX	MGD					****	* Month	
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NAME/TITLE PRINCIPAL EXECUTIVE OF	PICER I CERTIF	Y UNDER PENALTY	OF LAW TH	AT I HAVI	B PERSONA	LLY EXAMINED		~ 00		TELEF	HONE	DATE
AVID F. GARCHOW	AND AM F	AMILIAR WITH THE QUIRY OF THOSE I	INFORMAT	ION SUBM	ITTED HER	BIN; AND BASED	α		chan !			

TOTAL SUSPENDED SOLIDS SHALL NOT EXCEED A 7-DAY AVERAGE OF 45 MG/L. THIS DISCHARGE IS DESIGNATED AS DSN 489 IN PERMIT