

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

<u>DMR NO.</u>	<u>EXPLANATION</u>
481-482	<u>FRC</u> - Chlorination terminated on first indication of chlorine residuals. These occurrences were caused by the failure of a control valve that has since been replaced.
487	<u>TSS</u> - Disturbance of sample point caused by sampling process is believed to be the cause of the high value.  <u>O&amp;G</u> - Oil seperator cleaning operation believed to be the cause of this value.
487A	<u>BOD</u> - Rapid sloughing of Bio disk apparent cause of high BOD. Disk was temporarily stopped during a switch of power feed's.
489	<u>TSS, pH</u> - Due to lack of temporary hose (See attachment to cover sheet).  <u>O&amp;G</u> - Oil seperator cleaning operation believed to be the cause of this value.

8406140014 840525  
PDR ADOCK 05000272  
R PDR

FILE COPY

SEND COMPLETED FORM TO: GENERAL SUPERVISOR, 80 PARK PLAZA, 5E, NEWARK, N.J.

NAME OF AGENCY CONTACTED <b>New Jersey Department of Environmental Protection</b>		<input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEDERAL
TYPE OF CONTACT: <input type="checkbox"/> PERSONAL CONVERSATION <input checked="" type="checkbox"/> TELEPHONE CONVERSATION <input type="checkbox"/> CONFERENCE/MEETING	DATE, TIME AND PLACE OF CONTACT: <b>4-25-84 2:30 PM</b>	
		INITIATED BY: <b>Albert Fralinger</b>
		SCHEDULED OR REQUESTED BY:
NAMES OF AGENCY PERSONNEL INVOLVED:  <b>Joe Douglas - NJDEP Division of Water Resources</b>		
NAMES OF PSE&G PERSONNEL INVOLVED:  <b>Albert Fralinger</b>		
PSE&G FACILITY INVOLVED: <b>Salem</b>		
TOPIC DISCUSSED AND COMMENTS:  <p>The State was informed that approximately 20-25 thousand gallons of liquid at pH 10 was discharged through a yard drain. The discharge occurred on April 25, 1984 from 11:15 AM to 12:00 PM and was due to a temporary hose failure. The failed temporary hose transfers the liquid in the chemical waste tank to the non-radwaste basin. Mr. Douglas informed me that this would be taken care of through a telephone incident report and we would not be required to make a letter report. We will be required to provide a description of the incident in the next regular monthly Industrial Waste Treatment Plant Operating Report.</p>		
FUTURE CONFERENCE/MEETING SCHEDULED: (cont'd)		
DATE: _____		TIME: _____
PLACE: _____		
REPORTED BY <b>Albert Fralinger</b> <i>AF</i>	LOCATION <b>TB-002 - Artificial Island</b>	EXTENSION <b>4749</b>
TITLE <b>Engineer</b>	DEPARTMENT <b>Nuclear Department</b>	

PSEG

In addition, Mr. Douglas stated that these reports are to be forwarded to James K. Hamilton, Chief - Southern Region, Division of Water Resources Enforcement, P.O. Box 2809, Trenton, New Jersey 08625

AAF:vmd

C General Manager - Nuclear Support  
General Manager - Environmental Affairs  
General Manager - Salem Operations  
Technical Manager - Salem  
Manager - Nuclear Licensing and Regulation  
R. J. Dolan  
P. D. Behrens  
J. H. Balletto  
E. B. Svenson  
C. L. Sulzberger

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **GEN. - ENV AFF**  
ADDRESS **PSE&G**  
**P.O. BOX 570 10C**  
**NEWARK NJ 07101**  
FACILITY **SALEM GENERATING STATION**  
LOCATION **LOWER ALLOWAYS CREEK**

NJ0005622  
PERMIT NUMBER

I 481  
DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	01	01	84	04	30
(70-71)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

DELAWARE RIVER  
COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(1 Card Only) QUANTITY OR LOADING (46-61)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT		***	***		10.80	11.80	13.40	DEG.C	*	CONT	NA
		***	***		***	***	***			CONT	*
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS		***	***		12.90	14.90	17.00	DEG.C	0	CONT	NA
		***	***		***	***	46.00			CONT	*
00015 4 TEMPERATURE DIFFERENCE EFFLUENT NET		***	***		0.00	1.40	5.60	DEG C	0	CONT	NA
		***	***		***	***	15.30		*		*
00400 1 PH EFFLUENT GROSS		***	***		7.05	7.51	7.98	SU	0	2/7	GR
		***	***		6.00	***	9.00			2/7	GR
00400 2 PH INFLUENT		***	***		7.03	7.43	7.83	SU	*	2/7	GR
		***	***		***	***	***			2/7	GR
50050 1 FLOW EFFLUENT GROSS		***	***		0.00	112.50	410.07	MGD	*	CALC	NA
		***	***		***	***	***			CONT	*
50064 1 CHLORINE, FREE RESIDUAL EFFLUENT GROSS		***	***	KG/DAY	<0.01	<0.01	1.00	MG/L	5	1/30 min	GR
		***	***		***	0.20	0.50			CONT	*

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**L. K. Miller**  
Technical Manager  
TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
609 339-4455  
DATE  
84 5 25  
AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
DIS 481 IS #11 CONDENSER COOLING WATER. NOT MORE THAN 3 CONDENSERS MAY DISCHARGE TOTAL OR FREE CL AT ANY TIME, AND NOT MORE THAN 30 MIN. EACH TIME.

NAME GEN. I - ENV AFF  
ADDRESS PSE&G  
P.O. BOX 570 10C  
NEWARK NJ 07101  
FACILITY SALEM GENERATING STATION  
LOCATION LOWER ALLOWAYS CREEK

(2-16) NJ000562  
PERMIT NUMBER  
(17-19) 481  
DISCHARGE NUMBER

T.M.I.  
7 1

MONITORING PERIOD					
FROM	84	04	01	TO	84 04 30
	YEAR	MO	DAY		YEAR MO DAY
	(20-21)	(22-23)	(24-25)		(26-27) (28-29) (30-31)

DELAWARE RIVER  
COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****			MG/L	*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/30	GR
00530 B SOLIDS, TOTAL SUSPENDED STREAM INTAKE	SAMPLE MEASUREMENT	*****	*****		*****			MG/L	*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/30	GR
00530 4 SOLIDS, TOTAL SUSPENDED EFFLUENT NET	SAMPLE MEASUREMENT	*****	*****		*****			MG/L		1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	30.00	100.00			1/30	GR
00556 1 OIL AND GREASE EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****	*****		MG/L	*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/30	GR
00556 B OIL AND GREASE STREAM INTAKE	SAMPLE MEASUREMENT	*****	*****		*****	*****		MG/L	*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			1/30	GR
00556 4 OIL AND GREASE EFFLUENT NET	SAMPLE MEASUREMENT	*****	*****		*****	*****		MG/L	*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	10.00			1/30	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER L. K. Miller Technical Manager TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1310. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT.	TELEPHONE		DATE		
			609 AREA CODE	339-4455 NUMBER	84 YEAR	05 MO	25 DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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

GP AT  
17 7

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME GEN M ENV AFF  
 ADDRESS P.S.E. & G.  
 P.O. BOX 570 LOC  
 NEWARK NJ 07101  
 FACILITY SALEM GENERATING STATION  
 LOCATION LOWER ALLOWAYS CREEK

(12-16) NJ0005622 I (17-19) 482  
 PERMIT NUMBER DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	04	01	84	04	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

DELAWARE RIVER  
COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-67)	SAMPLE TYPE (68-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT		* * * *	* * * *		7.10	8.60	9.90		*	CONT	NA
		* * * *	* * * *		* * * *	* * * *	* * * *	DEG. C		CONT	*
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS		* * * *	* * * *		12.90	12.90	12.90		0	CONT	NA
		* * * *	* * * *		* * * *	* * * *	46.00	DEG. C		CONT	*
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET		* * * *	* * * *		3.00	4.30	5.90		0	CALC	NA
		* * * *	* * * *		* * * *	* * * *	15.30	DEG. C			*
00400 1 PH EFFLUENT GROSS		* * * *	* * * *		7.05	7.51	7.98		0	2/7	GR
		* * * *	* * * *		6.00	* * * *	9.00	SU		2/7	GR
00400 2 PH INFLUENT		* * * *	* * * *		7.03	7.43	7.83		*	2/7	GR
		* * * *	* * * *		* * * *	* * * *	* * * *	SU		2/7	GR
50050 1 FLOW EFFLUENT GROSS		* * * *	* * * *		0.00	4.80	33.30		*	CALC	NA
		* * * *	* * * *		* * * *	* * * *	* * * *	MGD		CONT	*
50064 1 CHLORINE, FREE RESIDUAL EFFLUENT GROSS		* * * *	* * * *	KG/DAY	<0.01	<0.01	1.00		5	1/30 min	NA
		* * * *	* * * *		* * * *	0.20	0.50	MG/L		CONT	*

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER L. K. Miller Technical Manager TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE 609 339-4455	DATE 84 5 25
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 DISC 482 IS #12 COND COOLING WATER. NOT MORE THAN 3 COND MAY DIS TOTAL OR FREE CL AT ANY TIME, AND NOT MORE THAN 30 MINUTES EACH TIME. No Samples were obtained due to entrainment study sample equipment configuration.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

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

OMB No. 158-R007

NAME GEN. - ENV APT  
 ADDRESS PSE&G  
 P.O. BOX 570 10C  
 NEWARK NJ 07101  
 FACILITY SALEM GENERATING STATION  
 LOCATION LOWER ALLOWAYS CREEK

(2-16) NJ000562 PERMIT NUMBER  
 (17-19) 482 DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM 84 04 01 TO 84 04 30  
 YEAR MO DAY YEAR MO DAY  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

AT MI  
 17 7 1

DELAWARE RIVER COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (34-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (34-61)				NO. EX (62-65)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	SAMPLE MEASUREMENT	****	****		****			MG/L	*	1/30	GR
	PERMIT REQUIREMENT	****	****		****	****	****			1/30	GR
00530 E SOLIDS, TOTAL SUSPENDED STREAM INTAKE	SAMPLE MEASUREMENT	****	****		****			MG/L	*	1/30	GR
	PERMIT REQUIREMENT	****	****		****	****	****			1/30	GR
00530 4 SOLIDS, TOTAL SUSPENDED EFFLUENT NET	SAMPLE MEASUREMENT	****	****		****			MG/L		1/30	GR
	PERMIT REQUIREMENT	****	****		****	30.00	100.00			1/30	GR
00556 1 OIL AND GREASE EFFLUENT GROSS	SAMPLE MEASUREMENT	****	****		****	****		MG/L	*	1/30	GR
	PERMIT REQUIREMENT	****	****		****	****	****			1/30	GR
00556 B OIL AND GREASE STREAM INTAKE	SAMPLE MEASUREMENT	****	****		****	****		MG/L	*	1/30	GR
	PERMIT REQUIREMENT	****	****		****	****	****			1/30	GR
00556 4 OIL AND GREASE EFFLUENT NET	SAMPLE MEASUREMENT	****	****		****	****		MG/L		1/30	GR
	PERMIT REQUIREMENT	****	****		****	****	10.00			1/30	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER L. K. Miller Technical Manager TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
			609 339-4455	84	05	25	
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)			AREA CODE	NUMBER	YEAR	MO	DAY

No Samples were obtained due to entrainment study sample equipment configuration.

GP AT M  
17 7

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

PERMITTEE NAME/ADDRESS (Include Facility Name) Location (if different)  
 NAME: GEN. ENV. AFF.  
 ADDRESS: P.S.E. & G. P.O. BOX 570 10C NEWARK NJ 07101  
 FACILITY: SALEM GENERATING STATION  
 LOCATION: LOWER ALLOWAYS CREEK

NJ0005622 PERMIT NUMBER  
 483 DISCHARGE NUMBER

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	84	04	01		84	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DELAWARE RIVER  
COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (12-37)	X	(1 Card Only) QUANTITY OR LOADING (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT		* * * *	* * * *					DEG. C	*	CONT	NA
		* * * *	* * * *		* * * *	* * * *	* * * *			CONT	*
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS		* * * *	* * * *					DEG. C		CONT	NA
		* * * *	* * * *		* * * *	* * * *	46.00			CONT	*
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET		* * * *	* * * *					DEG. C		CALC	NA
		* * * *	* * * *		* * * *	* * * *	15.30			*	*
00400 1 PH EFFLUENT GROSS		* * * *	* * * *		7.05	7.51	7.98	SU	0	2/7	GR
		* * * *	* * * *		6.00	* * * *	9.00			2/7	GR
00400 2 PH INFLUENT		* * * *	* * * *		7.03	7.43	7.83	SU	*	2/7	GR
		* * * *	* * * *		* * * *	* * * *	* * * *			2/7	GR
50050 1 FLOW EFFLUENT GROSS		* * * *	* * * *		0.00	0.00	0.00	MGD	*	CALC	NA
		* * * *	* * * *		* * * *	* * * *	* * * *			CONT	*
50064 1 CHLORINE, FREE RESIDUAL EFFLUENT GROSS		* * * *	* * * *	KG/DAY	<0.01	<0.01	<0.01	MG/L	0	1/30 min	GR
		* * * *	* * * *		* * * *	0.20	0.50			CONT	*

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER L. K. Miller Technical Manager TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE 609 339-4455	DATE 84 05 25
			AREA CODE NUMBER	YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 DISCH 483 IS #13 COND COOLING WATER. NOT MORE THAN 3 COND MAY DIS TOTAL OR FREE CL AT ANY TIME, AND NOT MORE THAN 30 MIN EACH TIME. Circulating water pumps O/S for this report period.



NAME GEN. I - ENV AFF  
ADDRESS PSE&G  
P.O. BOX 570 LOC.  
NEWARK NJ 07101  
FACILITY SALEM GENERATING STATION  
LOCATION LOWER ALLOWAYS CREEK

(2-16) NJ000562  
PERMIT NUMBER  
(17-19) 483  
DISCHARGE NUMBER  
MONITORING PERIOD  
FROM 84 04 01 TO 84 04 30  
YEAR MO DAY YEAR MO DAY  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

DELAWARE RIVER  
COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-65)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****			*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****		1/30	GR
00530 B SOLIDS, TOTAL SUSPENDED STREAM INTAKE	SAMPLE MEASUREMENT	*****	*****		*****			*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****		1/30	GR
00530 4 SOLIDS, TOTAL SUSPENDED EFFLUENT NET	SAMPLE MEASUREMENT	*****	*****		*****				1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	30.00	100.00		1/30	GR
00556 1 OIL AND GREASE EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****	*****		*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****		1/30	GR
00556 B OIL AND GREASE STREAM INTAKE	SAMPLE MEASUREMENT	*****	*****		*****	*****		*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****		1/30	GR
00556 4 OIL AND GREASE EFFLUENT NET	SAMPLE MEASUREMENT	*****	*****		*****	*****			1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	10.00		1/30	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
L. K. Miller  
Technical Manager  
TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES, SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 609 339-4455  
DATE 84 05 25  
AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
**GEN. M. ENV. AFF.**  
**P.S.E. & G.**  
**P.O. BOX 570 LOC**  
**NEWARK NJ 07101**  
 FACILITY **SALEM GENERATING STATION**  
 LOCATION **LOWER ALLOWAYS CREEK**

(12-16) **NJ0005622** (17-19) **484**  
 PERMIT NUMBER DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
84	04	01	84	04	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

DELAWARE RIVER  
COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	(1 Card Only) QUANTITY OR LOADING (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (52-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-79)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT		* * * *	* * * *		6.00	10.30	13.40	DEG.C	*	CONT	NA
		* * * *	* * * *		* * * *	* * * *	* * * *			CONT	*
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS		* * * *	* * * *		8.80	14.10	23.90	DEG.C	0	CONT	NA
		* * * *	* * * *		* * * *	* * * *	46.00			CONT	*
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET		* * * *	* * * *		0.00	3.80	15.10	DEG C	0	CALC	NA
		* * * *	* * * *		* * * *	* * * *	15.50				*
00400 1 PH EFFLUENT GROSS		* * * *	* * * *		7.05	7.51	7.98	SU	0	2/7	GR
		* * * *	* * * *		6.00	* * * *	9.00			2/7	GR
00400 2 PH INFLUENT		* * * *	* * * *		7.03	7.43	7.83	SU	0	2/7	GR
		* * * *	* * * *		* * * *	* * * *	* * * *			2/7	GR
50050 1 FLOW EFFLUENT GROSS		* * * *	* * * *		66.60	300.40	532.80	MGD	*	CALC	NA
		* * * *	* * * *		* * * *	* * * *	* * * *			CONT	*
50064 1 CHLORINE, FREE RESIDUAL EFFLUENT GROSS		* * * *	* * * *	KG/DAY	<0.01	<0.01	1.00	MG/L	5	1/30 min	GR
		* * * *	* * * *		* * * *	0.20	0.50			CONT	NA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>L. K. Miller</b> Technical Manager	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 16 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		609 339-4455	84	05
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 DIS 484 IS #21 CONDENSER COOLING WATER. NOT MORE THAN 3 CONDENSERS MAY DIS TOTAL OR FREE CHLORINE AT ANY TIME, AND NOT MORE THAN 30 MINUTES EACH TIME.

NAME <sup>2</sup> GEN. - ENV AFF  
 ADDRESS PSE&G  
 P.O. BOX 570 LOC  
 NEWARK NJ 07101  
 FACILITY SALEM GENERATING STATION  
 LOCATION LOWER ALLOWAYS CREEK

(2-16) NJ00056  
 PERMIT NUMBER  
 (17-19) 484  
 DISCHARGE NUMBER

AT MI  
 7 1

MONITORING PERIOD					
FROM	84	04	01	TO	84 04 30
	YEAR	MO	DAY		YEAR MO DAY
	(20-21)	(22-23)	(24-25)		(26-27) (28-29) (30-31)

DELAWARE RIVER  
 COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPL. TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	SAMPLE MEASUREMENT	***	***		***	99.00	99.00	*	1/30	GR
	PERMIT REQUIREMENT	***	***		***	***	***			
00530 B SOLIDS, TOTAL SUSPENDED STREAM INTAKE	SAMPLE MEASUREMENT	***	***		***	76.00	76.00	*	1/30	GR
	PERMIT REQUIREMENT	***	***		***	***	***			
00530 4 SOLIDS, TOTAL SUSPENDED EFFLUENT NET	SAMPLE MEASUREMENT	***	***		***	23.00	23.00	0	1/30	GR
	PERMIT REQUIREMENT	***	***		***	30.00	100.00			
00556 1 OIL AND GREASE EFFLUENT GROSS	SAMPLE MEASUREMENT	***	***		***	***	<5.00	*	1/30	GR
	PERMIT REQUIREMENT	***	***		***	***	***			
00556 B OIL AND GREASE STREAM INTAKE	SAMPLE MEASUREMENT	***	***		***	***	<5.00	*	1/30	GR
	PERMIT REQUIREMENT	***	***		***	***	***			
00556 4 OIL AND GREASE EFFLUENT NET	SAMPLE MEASUREMENT	***	***		***	***	<0.00	0	1/30	GR
	PERMIT REQUIREMENT	***	***		***	***	10.00			
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  L. K. Miller Technical Manager TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and for maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
			609 339-4455	84	05	25	
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)			AREA CODE	NUMBER	YEAR	MO	DAY

NAME: GEN-1 ENV-AFF  
 ADDRESS: P.S.E. & G. P.O. BOX 570-10C NEWARK NJ 07101  
 FACILITY: SALEM GENERATING STATION  
 LOCATION: LOWER ALLOWAYS CREEK

(3-16) NJ0005622 I (17-19) 485  
 PERMIT NUMBER DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM 84 04 01 TO 84 04 30  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

DELAWARE RIVER COOLING WATER

NOTE: Read instructions before completing this form.

GP AT 17 7

PARAMETER (12-17)	X	QUANTITY OR LOADING (14-61)			QUALITY OR CONCENTRATION (14-61)				NO. EX (12-43)	FREQUENCY OF ANALYSIS (14-61)	SAMPLE TYPE (14-70)
		AVERAGE (14-53)	MAXIMUM (14-54)	UNITS (14-55)	MINIMUM (14-56)	AVERAGE (14-57)	MAXIMUM (14-58)	UNITS (14-59)			
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	SAMPLE MEASUREMENT	*****	*****		6.00	10.10	13.40	DEG.C	*	CONT	NA
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			CONT	*
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		11.50	16.30	24.20	DEG.C	0	CONT	NA
	PERMIT REQUIREMENT	*****	*****		*****	*****	46.00			CONT	*
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	SAMPLE MEASUREMENT	*****	*****		0.80	6.20	15.10	DEG C	0	CALC	NA
	PERMIT REQUIREMENT	*****	*****		*****	*****	15.30		*		*
00400 1 PH EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		7.05	7.51	7.98	SU	0	2/7	GR
	PERMIT REQUIREMENT	*****	*****		6.00	*****	9.00			2/7	GR
00400 2 PH INFLUENT	SAMPLE MEASUREMENT	*****	*****		7.03	7.43	7.83	SU	*	2/7	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			2/7	GR
50050 1 FLOW EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		0.00	248.30	532.80	MGD	*	CALC	NA
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			CONT	*
50064 1 CHLORINE, FREE RESIDUAL EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****	KG/DAY	<0.01	<0.01	1.00	MG/L	5	1/30 min	GR
	PERMIT REQUIREMENT	*****	*****		*****	0.20	0.50			CONT	NA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: L. K. Miller, Technical Manager  
 THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: [Signature]  
 TELEPHONE: 609 339-4455  
 DATE: 84 05 25

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here): DIS 485 IS CONDENSER #22 COOLING WATER. NOT MORE THAN 3 COND MAY DIS TOTAL, OR FREE CHLORINE AT ANY TIME, AND NOT MORE THAN 30 MINUTES EACH TIME. No samples were obtained due to entrainment study sample equipment configuration.

NAME **GEN. I - ENV AFF**  
 ADDRESS **PSE&G**  
**P.O. BOX 570 10C**  
**NEWARK NJ 07101**  
 FACILITY **SALEM GENERATING STATION**  
 LOCATION **LOWER ALLOWAYS CREEK**

(2-16) **NJ000562**  
 PERMIT NUMBER  
 (17-19) **485**  
 DISCHARGE NUMBER

AT: MI  
 7 1

MONITORING PERIOD  
 FROM [ ] [ ] [ ] TO [ ] [ ] [ ]  
 (YEAR MO DAY) (YEAR MO DAY)  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

DELAWARE RIVER  
 COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-65)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		* * * *			MG/L	*	1/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			1/30	GR
00530 B SOLIDS, TOTAL SUSPENDED STREAM INTAKE	SAMPLE MEASUREMENT	* * * *	* * * *		* * * *			MG/L	*	1/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			1/30	GR
00530 4 SOLIDS, TOTAL SUSPENDED EFFLUENT NET	SAMPLE MEASUREMENT	* * * *	* * * *		* * * *			MG/L		1/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	30.00	100.00			1/30	GR
00556 1 OIL AND GREASE EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		* * * *	* * * *		MG/L	*	1/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			1/30	GR
00556 B OIL AND GREASE STREAM INTAKE	SAMPLE MEASUREMENT	* * * *	* * * *		* * * *	* * * *		MG/L	*	1/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			1/30	GR
00556 4 OIL AND GREASE EFFLUENT NET	SAMPLE MEASUREMENT	* * * *	* * * *		* * * *	* * * *		MG/L		1/30	
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	10.00			1/30	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>L. K. Miller</b> Technical Manager TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES, SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE		
			609 339-4455	AREA CODE	NUMBER	YEAR

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 No samples were obtained due to entrainment study sample equipment configuration.

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: GEN. M. ENV. AFF.  
ADDRESS: P.S.E. & G.  
P.O. BOX 570, 10C  
NEWARK, NJ 07101  
FACILITY: SALEM GENERATING STATION  
LOCATION: LOWER ALLOWAYS CREEK

(2-14) NJ0005622 I (17-19) 486  
PERMIT NUMBER DISCHARGE NUMBER

GP AT  
17 7

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	04	01	84	04	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

DELAWARE RIVER  
COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT		* * * *	* * * *		6.00	10.40	13.40		* CONT	NA
		* * * *	* * * *		* * * *	* * * *	* * * *		* CONT	*
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS		* * * *	* * * *		11.40	15.70	24.50	0	CONT	NA
		* * * *	* * * *		* * * *	* * * *	46.00		* CONT	*
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET		* * * *	* * * *		0.30	5.30	14.70	0	CALC	NA
		* * * *	* * * *		* * * *	* * * *	15.30		* *	*
00400 1 PH EFFLUENT GROSS		* * * *	* * * *		7.05	5.30	7.98	0	2/7	GR
		* * * *	* * * *		6.00	* * * *	9.00		2/7	GR
00400 2 PH INFLUENT		* * * *	* * * *		7.03	7.43	7.83	*	2/7	GR
		* * * *	* * * *		* * * *	* * * *	* * * *		2/7	GR
50050 1 FLOW EFFLUENT GROSS		* * * *	* * * *		0.00	211.06	532.08	*	CALC	NA
		* * * *	* * * *		* * * *	* * * *	* * * *		CONT	*
50064 1 CHLORINE, FREE RESIDUAL EFFLUENT GROSS		* * * *	* * * *	KG/DAY	<0.01	<0.01	<0.01	0	1/30 min	GR
		* * * *	* * * *		* * * *	0.20	0.30		CONT	NA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER L. K. Miller Technical Manager TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE 609 339-4455	DATE 84 05 25
			AREA CODE NUMBER	YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
DIS 486 IS CONDENSER #23 COOLING WATER. NOT MORE THAN 3 COND MAY DIS TOTAL OR FREE CHLORINE AT ANY TIME, AND NOT MORE THAN 30 MINUTES EACH TIME.

NAME GEN. 1 - ENV AFF  
 ADDRESS PSE&G  
 P.O. BOX 570 LOC  
 NEWARK NJ 07101  
 FACILITY SALEM GENERATING STATION  
 LOCATION LOWER ALLOWAYS CREEK

(2-16) NJ000562 PERMIT NUMBER  
 (17-19) 486 DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM 84 04 01 TO 84 04 30  
 YEAR MO DAY YEAR MO DAY  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

DELAWARE RIVER COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-65)	FREQUENCY OF ANALYSIS (64-69)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00530 1 SOLIDS, TOTAL EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****	174.00	174.00		*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****	MG/L		1/30	GR
00530 B SOLIDS, TOTAL SUSPENDED STREAM INTAKE	SAMPLE MEASUREMENT	*****	*****		*****	76.00	76.00		*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****	MG/L		1/30	GR
00530 4 SOLIDS, TOTAL SUSPENDED EFFLUENT NET	SAMPLE MEASUREMENT	*****	*****		*****	98.00	98.00		1	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	30.00	100.00	MG/L		1/30	GR
00556 1 OIL AND GREASE EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****	*****	<5.00		*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****	MG/L		1/30	GR
00556 B OIL AND GREASE STREAM INTAKE	SAMPLE MEASUREMENT	*****	*****		*****	*****	<5.00		*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****	MG/L		1/30	GR
00556 4 OIL AND GREASE EFFLUENT NET	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.00		0	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	10.00	MG/L		1/30	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER L. K. Miller Technical Manager TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE		
			609 339-4455 AREA CODE NUMBER	84	05	25

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location)  
**GEN. ENV. AFF.**  
 NAME  
 ADDRESS **P.O. BOX 570 100**  
**NEWARK NJ 07101**  
 FACILITY **SALEM GENERATING STATION**  
 LOCATION **LOWER ALLOWAYS CREEK**

(2-10) **NJ0005677** (17-19) **I FAL**  
 PERMIT NUMBER DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	04	01	84	04	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

DELAWARE RIVER

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	(3 Card Only) QUANTITY OR LOADING (46-61)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-67)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00015 4 HEAT MILLIONS OF BTU'S PER HR NET EFFLUENT NET		* * * *	* * * *		0.00	2489.70	14499.00		0	CALC	NA
		* * * *	* * * *		* * * *	* * * *	16300.00				*

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>L. K. Miller</b> Technical Manager TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1310. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	609 AREA CODE	339-4455 NUMBER	84 YEAR	05 MO

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 TOTAL OF DISCH 481,482,483,484,485,486



NAME GEN. - ENV AFF  
 ADDRESS PSE&G  
P.O. BOX 570 10C  
NEWARK NJ 07101  
 FACILITY SALEM GENERATING STATION  
 LOCATION LOWER ALLOWAYS CREEK

(2-17) (17-19)

NJ00056	48C
PERMIT NUMBER	DISCHARGE NUMBER

  

MONITORING PERIOD							
FROM	84	04	01	TO	84	04	01
	YEAR	MO	DAY		YEAR	MO	DAY
	(30-31)	(32-33)	(34-35)		(36-37)	(38-39)	(30-31)

AT MI  
7 1

DELAWARE RIVER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-65)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	SAMPLE MEASUREMENT	10.70	24.90	KG/DAY	* * * *	15.00	15.00	0	1/30	24
	PERMIT REQUIREMENT	27.80	185.00		* * * *	30.00	100.00			
00556 1 OIL AND GREASE EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		* * * *	* * * *	<5.00	0	1/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	10.00			
00551 1 PETROLEUM HYDROCARBONS EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		* * * *	* * * *	<5.00	*	1/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			
01042 1 COPPER, TOTAL (AS CU) EFFLUENT GROSS	SAMPLE MEASUREMENT	<0.01	<0.01	KG/DAY	* * * *	<0.01	<0.01	0	1/30	24
	PERMIT REQUIREMENT	1.85	1.85		* * * *	* * * *	0.20			
01045 1 IRON, TOTAL (AS FE) EFFLUENT GROSS	SAMPLE MEASUREMENT	0.33	0.77	KG/DAY	* * * *	0.47	0.47	0	1/30	24
	PERMIT REQUIREMENT	1.85	1.85		* * * *	1.00	1.00			
50050 1 FLOW EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		* * * *	0.19	0.44	*	CONT	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			
00610 1 AMMONIA (AS N) EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		* * * *	2.20	2.20	0	1/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	35.00	* * * *			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
L. K. Miller Technical Manager TYPED OR PRINTED				609 339-4455

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME **GEN. - ENV AFF**  
 ADDRESS **PSEG**  
**P.O. BOX 570 LOC**  
**NEWARK NJ 07101**  
 FACILITY **SALEM GENERATING STATION**  
 LOCATION **LOWER ALLOWAYS CREEK**

(2-16) **NJ00056**  
 PERMIT NUMBER

(17-19) **48C**  
 DISCHARGE NUMBER

AT MI  
 7 1

DELAWARE RIVER

MONITORING PERIOD					
FROM	84	04	01	TO	84 04 30
	YEAR	MO	DAY		YEAR MO DAY
	(20-21)	(22-23)	(24-25)		(26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-67)	SAMP TYPE (68-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
01092 1 Zinc, Total (as Zn) Effluent Gross		* * * *	* * * *		* * * *	<0.01	<0.01		0	1/30	24
		* * * *	* * * *		* * * *	* * * *	0.60	M/L		1/30	24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**L. K. Miller**  
**Technical Manager**  
 TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
**609 339-4455**

DATE  
**84 05 25**

AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ADDRESS PSEG  
 P.O. BOX 570 10C  
 NEWARK NJ 07101  
 FACILITY SALEM GENERATING STATION  
 LOCATION LOWER ALLOWAYS CREEK

(2-16) NJ000562 PERMIT NUMBER  
 (17-19) 487 DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM 84 04 01 TO 84 04 30  
 YEAR MO DAY YEAR MO DAY  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

AT MI 7 1  
 DELAWARE RIVER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-67)	FREQUENCY OF ANALYSIS (64-68)	SAMPL. TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****	42.00	42.00	1	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	30.00	100.00			
00556 1 OIL AND GREASE EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****		57.00	1	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****		10.00			
00551 1 PETROLEUM HYDROCARBONS EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****		15.00	*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****		*****			
50050 1 FLOW EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	*	1/30	NA
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****			
00010 1 TEMPERATURE, WATER DEG. CENTRIGRADE EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****		20.00	0	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****		43.30			
00400 1 PH EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		6.80	6.80	6.80	0	1/30	GR
	PERMIT REQUIREMENT	*****	*****		6.00	*****	9.00			
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: L. K. Miller, Technical Manager  
 TYPED OR PRINTED: [ ]  
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 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: [ ]  
 TELEPHONE: 609 339-4455  
 DATE: 84 05 25  
 AREA CODE: 609, NUMBER: 339-4455, YEAR: 84, MO: 05, DA: 25

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include City Name/Location if different)  
 NAME GEN. M - ENV AFF  
 ADDRESS PSE&G  
 P.O. BOX 570 LOC  
 NEWARK NJ 07101  
 FACILITY SALEM GENERATING STATION  
 LOCATION LOWER ALLOWAYS CREEK

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

OMB No. 158-R0073

(2-16) NJ0005622 PERMIT NUMBER  
 (17-19) 87A DISCHARGE NUMBER

R MI  
 17 7 1

DELAWARE RIVER

MONITORING PERIOD					
FROM	84	04	01	TO	84 04 30
	YEAR	MO	DAY		YEAR MO DAY
	(20-21)	(22-23)	(24-25)		(26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
00056 1 FLOW RATE (GALLONS PER DAY) EFFLUENT GROSS	SAMPLE MEASUREMENT	***	***		***	9600.00	12900.00	0	30/30	NA
	PERMIT REQUIREMENT	***	***		***	***	***		*	NA
00310 1 BOD, 5-DAY, EFFLUENT GROSS	SAMPLE MEASUREMENT	***	1.66		***	42.00	42.00	2	1/30	GR
	PERMIT REQUIREMENT	***	0.97	KG/DAY	***	30.00	45.00		1/30	GR
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	SAMPLE MEASUREMENT	***	***		***	5.00	5.00	0	1/30	24
	PERMIT REQUIREMENT	***	***		***	30.00	100.00		1/30	24
74055 1 COLIFORM-FECAL EFFLUENT GROSS	SAMPLE MEASUREMENT	***	***		***	0.00	0.00	0	1/30	GR
	PERMIT REQUIREMENT	***	***		***	200.00	400.00		1/30	GR
00010 1 TEMPERATURE, WATER DEG. CENTRIGRADE EFFLUENT GROSS	SAMPLE MEASUREMENT	***	***		***	***	16.00	0	1/30	GR
	PERMIT REQUIREMENT	***	***		***	***	43.30		1/30	GR
00400 1 PH EFFLUENT GROSS	SAMPLE MEASUREMENT	***	***		6.40	7.10	7.30	0	30/30	GR
	PERMIT REQUIREMENT	***	***		6.00	***	9.00		1/30	GR
00556 1 OIL AND GREASE EFFLUENT GROSS	SAMPLE MEASUREMENT	***	***		***	***	<5.00	0	1/30	GR
	PERMIT REQUIREMENT	***	***		***	***	10.00		1/30	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER L. K. Miller Technical Manager TYPED OR PRINTED	THIS DOCUMENT IS GIVEN WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and for maximum imprisonment of between 6 months and 3 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			609	339-4455	84	05	25

DIS 87A IS DISCHARGE 487A., MONITORED PRIOR TO COMB WITH DISCHARGE 487. The two Sewage plants are operated in series and are considered a single point.

Utility Name / Location (if different)  
 NAME GEN. M - ENV AFF  
 PSE&G  
 P.O. BOX 570 10C  
 NEWARK NJ 07101  
 FACILITY SALEM GENERATING STATION  
 LOCATION LOWER ALLOWAYS CREEK

DISCHARGE MONITORING REPORT (DMR)  
 (2-16) NJ0005622 PERMIT NUMBER  
 (17-19) 489 DISCHARGE NUMBER

NY MI  
 7 1

MONITORING PERIOD							
FROM	84	04	01	TO	84	04	30
	YEAR	MO	DAY		YEAR	MO	DAY
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

DELAWARE RIVER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS	NO. EX (43-45)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****	77.00	77.00	MG/L	1	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	30.00	100.00				
00556 1 OIL AND GREASE EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****	*****	15.00	MG/L	1	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	10.00				
00551 1 PETROLEUM HYDROCARBONS EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****	*****	15.00	MG/L	*	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****				
50050 1 FLOW EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	MGD	*		
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****				
00010 1 TEMPERATURE, WATER DEG. CENTRIGRADE EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		*****	*****	20.00	DEG.C.	0	1/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	43.30				
00400 1 PH EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****		6.30	6.40	10.60	SU	1	1/30	GR
	PERMIT REQUIREMENT	*****	*****		6.00	*****	9.00				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 L. K. Miller  
 Technical Manager  
 TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 609 339-4455  
 DATE 84 05 25  
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 pH of 10.6 due to leak. See attachment to cover sheet.