



PSEG

Public Service Electric and Gas Company P.O. Box #168 Hancocks Bridge, New Jersey 08038

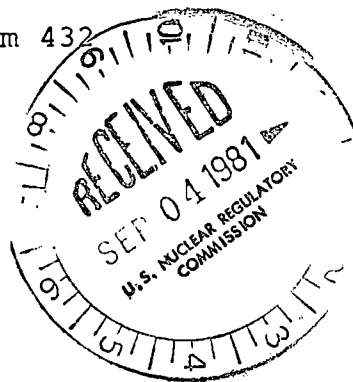
August 14, 1981

Dr. Richard A. Baker, Chief
Permits Administration Branch
Planning & Management Division
U.S. Environmental Protection Agency, Room 432
26 Federal Plaza
New York, New York 10278

Attention: Mr. Clifford Lundin

Dear Sir:

NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM
DISCHARGE MONITORING REPORTS
SALEM NUCLEAR GENERATING STATION
PERMIT NO. NJ 0005622



Attached are the Discharging Monitoring Reports for Salem Nuclear Generating Station containing the information, as outlined in Permit No. NJ 0005622 for the month of July, 1981.

Very truly yours,

H. J. Midura
Manager - Salem Generating Station

CC: Director, Division of Water Resources (NJ Dept. of Env. Pro.)
General Manager - Electric Production
Mr. Gerald M. Hansler, Exective Director, Delaware River Basin
Commission, P.O. Box 7360, West Trenton, N. J. 08628
Director, Office of Nuclear Reactor Regulation, USNRC, Washington,
D. C. 20555
A. A. Blatz

A007
S
1/1

8109080064 810814
PDR ADOCK 05000272
R PDR

THE Energy People

NAME **GEN. M. ENV. AFF.**
 ADDRESS **P.S.E. & G.**
80 PARK PLACE-ROOM 8317
NEWARK NJ 07101
 FACILITY **SALEM GENERATING STATION**
 LOCATION **LOWER ALLOWAYS CREEK**

 (12-10) **NJ0005622**
 PERMIT NUMBER
 (17-19) **481**
 DISCHARGE NUMBER
 MONITORING PERIOD
 FROM YEAR **81** MO **07** DAY **01** TO YEAR **81** MO **07** DAY **31**
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

 DELAWARE RIVER
COOLING WATER

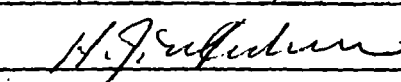
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (54-61)	AVERAGE (54-61)	MAXIMUM (54-61)			
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	SAMPLE MEASUREMENT	* * * *	* * * *		24.20	26.70	30.30		Cont	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *		CONT	*
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		26.70	35.20	41.10	0	Cont	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	46.00		CONT	*
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	SAMPLE MEASUREMENT	* * * *	* * * *		0.10	8.50	13.20	0	Cont	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	15.30		*	*
00400 1 PH	SAMPLE MEASUREMENT	* * * *	* * * *		7.20	7.30	7.40	0	2/7	GR
	PERMIT REQUIREMENT	* * * *	* * * *		6.00	* * * *	9.00		2/7	
00400 2 PH	SAMPLE MEASUREMENT	* * * *	* * * *		7.40	7.50	7.60		2/7	
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *		2/7	
50050 1 FLOW	SAMPLE MEASUREMENT	* * * *	* * * *		0.00	434.3	532.80		Calc	
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *		CONT	
50060 1 CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	* * * *	* * * *			NA	NA	NA		
	PERMIT REQUIREMENT	* * * *	* * * *	KG/DAY	* * * *	0.20	0.50		CONT	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

F.W. Schneider VP. Prod.
 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
 609 365-7000
 AREA CODE NUMBER

DATE
 81 08 14
 YEAR MO DAY

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

DIS 481 IS CONDENSER COOLING WATER. WHEN INTK PH LESS THAN 6.0, DIS PH NOT TO BE LESS. WHEN INTK PH GREATER THAN 9.0, DIS PH NOT TO EXCD INTK NOT MORE THAN 3 CONDENS MAY DIS FREE CL AT ANY TIME, OR MORE THAN 30MI

NAME GEN MGR-ENV AFF
 ADDRESS P.S.E. & G.
 3 PARK PLACE-ROOM 8317
 NEWARK NJ 07101
 FACILITY SALEM GENERATING STATION
 LOCATION LOWER ALLOWAYS CREEK


 (2-14) NJ0005622
 PERMIT NUMBER
 (17-19) I 482
 DISCHARGE NUMBER
 MONITORING PERIOD
 FROM YEAR 81 MO 07 DAY 01 TO YEAR 81 MO 07 DAY 31
 (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 MI
 17 2 I

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (44-51)			(4 Card Only) QUALITY OR CONCENTRATION (44-51)				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	SAMPLE MEASUREMENT	* * * *	* * * *		24.40	26.90	36.30	DEG.C		Cont	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			CONT	*
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		26.70	35.50	39.90	DEG.C	0	Cont	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	46.00			CONT	*
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	SAMPLE MEASUREMENT	* * * *	* * * *		0.10	8.60	13.50	DEG C	0	Cont	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	15.30			*	*
00400 1 PH EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		7.20	7.30	7.40	SU	0	2/7	GR
	PERMIT REQUIREMENT	* * * *	* * * *		6.00	* * * *	9.00			2/7	GR
00400 2 PH INFLUENT	SAMPLE MEASUREMENT	* * * *	* * * *		7.40	7.50	7.60	SU		2/7	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			2/7	GR
50050 1 FLOW EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		0.00	413.20	532.80	MGD		Calc	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			CONT	*
50060 1 CHLORINE, TOTAL RESIDUAL EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY		NA	NA	MG/L	NA		NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	0.20	0.50			CONT	*

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. § 1310. (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		
F.W. Schneider V.P. Prod.			609 365-7000	81 08 14	YEAR	MO
TYPED OR PRINTED			AREA CODE	NUMBER		

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

DISC 482 IS COND COOLING WATER. INTK PH LESS 6.0 DIS PH NOT LESS. INTK PH GRTR 9.0, DIS PH NOT GRTR. NOT MORE THAN 3 COND MAY DIS TOTAL OR FREE CL AT ANY TIME, AND NOT MORE THAN 30 MINUTES EACH TIME

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

OMB No. 155-RM14.5

GP AT MI
17 2 I

MITTEE NAME/ADDRESS (Include)
by Name/ Location (if different)
GEN MGR-ENV AFF
P.S.E. & G.
80 PARK PLACE-ROOM 8317
NEWARK NJ 07101
CITY SALEM GENERATING STATION
CATION LOWER ALLWAYS CREEK

(2-16) NJ0005622 I 483 (17-19)

PERMIT NUMBER DISCHARGE NUMBER


MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
81	07	01	TO	81	07	31
(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)		(3 Card Only) QUANTITY OR LOADING (40-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	SAMPLE MEASUREMENT	* * * *	* * * *		24.50	27.50	30.10	DEG.C		Cont	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			CONT	*
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		26.70	36.00	41.90	DEG.C	0	Cont	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	46.00			CONT	*
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	SAMPLE MEASUREMENT	* * * *	* * * *		0.10	8.40	15.80	DEG C	1	Cont	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	15.30			*	*
00400 1 PH	SAMPLE MEASUREMENT	* * * *	* * * *		7.20	7.30	7.40	SU	0	2/7	GR
	PERMIT REQUIREMENT	* * * *	* * * *		6.00	* * * *	9.00			2/7	GR
00400 2 PH	SAMPLE MEASUREMENT	* * * *	* * * *		7.40	7.50	7.60	SU		2/7	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			2/7	GR
50050 1 FLOW	SAMPLE MEASUREMENT	* * * *	* * * *		0.00	369.50	532.80	MGD		Calc	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			CONT	*
50060 1 CHLORINE, TOTAL RESIDUAL EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY		NA	NA	MG/L	NA		NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	0.20	0.50			CONT	*

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 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
F.W. Schneider V.P. Prod.			609 365-7000	81	08	14	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

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

DISCH 483 IS COND COOLING WATER. INTAKE PH LESS 6.0 DIS PH NOT LESS. INTPH 6RTR 9.0 DIS PH NOT 6RTR. NOT MOR E THAN 3 COND MAY DIS TOTAL OR FREECL AT ANY TIME & NOT MORE THAN 30 MIN EACH TIME

NAME GEN MGR-ENV AFF
ADDRESS P.S.E. & G.
80 PARK PLACE-ROOM 8317
NEWARK NJ 07101
FACILITY SALEM GENERATING STATION
LOCATION LOWER ALLOWAYS CREEK

NJ0005627
PERMIT NUMBER

I 484
DISCHARGE NUMBER

GP AT MI
17 2 1

MONITORING PERIOD
FROM 81 07 01 TO 81 07 31
(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)		(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 (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	SAMPLE MEASUREMENT	* * * *	* * * *		24.20	36.50	48.80	DEG.C		CONT	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			CONT	*
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		26.70	33.90	41.00	DEG.C	0	CONT	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	46.00			CONT	*
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	SAMPLE MEASUREMENT	* * * *	* * * *		1.10	6.60	14.30	DEG C	0	CONT	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	15.30			*	*
00400 1 PH	SAMPLE MEASUREMENT	* * * *	* * * *		7.20	7.30	7.40	SU	0	2/7	GR
	PERMIT REQUIREMENT	* * * *	* * * *		6.00	* * * *	9.00			2/7	GR
00400 2 PH	SAMPLE MEASUREMENT	* * * *	* * * *		7.40	7.50	7.60	SU		2/7	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			2/7	GR
50050 1 FLOW	SAMPLE MEASUREMENT	* * * *	* * * *		0.00	279.30	532.80	MGD		Calc	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			CONT	*
50060 1 CHLORINE, TOTAL RESIDUAL EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY		NA	NA	MG/L		NA	CONT
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	0.20	0.50			CONT	NA

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 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
F.W. Schneider V.P. Prod.			609 365-7000	81	08	14	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

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

DIS 484 IS CONDENSER COOLING WATER. INTK PH LESS 6.0, DIS PH NOT LESS. INTK PH GRT 9.0, DIS PH NOT GRT. NOT MORE THAN 3 CONDENSORS MAY DISCH TOT. R FREE CHLORINE AT ANY TIME, AND NOT MORE THAN 30 MINUTES EACH TIME

MITTEE NAME/ADDRESS
by Name/Location (if different)
GEN MGR-ENV AFF

ADDRESS
P.S.E. & G.
80 PARK PLACE-ROOM 8317
NEWARK NJ 07101
CITY
SALEM GENERATING STATION
STATE
LOWER ALLOWAYS CREEK

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

(12-16)
NJ0005622

PERMIT NUMBER

(17-19)
485

DISCHARGE NUMBER

Form Approved
OMB No. 158-R0073

GP AT MI
17 2 1

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
81	07	01	81	07	31
(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)		(3 Card Only) QUANTITY OR LOADING (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (46-51)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	SAMPLE MEASUREMENT	* * * *	* * * *		24.50	26.90	29.10	DEG.C		Cont	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			CONT	*
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		25.70	31.40	38.80	DEG.C	0	CONT	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	46.00			CONT	*
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	SAMPLE MEASUREMENT	* * * *	* * * *		0.00	4.50	10.60	DEG C	0	CONT	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	15.30			*	*
00400 1 PH	SAMPLE MEASUREMENT	* * * *	* * * *		7.20	7.30	7.40	SU	0	2/7	GR
	PERMIT REQUIREMENT	* * * *	* * * *		6.00	* * * *	9.00			2/7	GR
00400 2 PH	SAMPLE MEASUREMENT	* * * *	* * * *		7.40	7.50	7.60	SU		2/7	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			2/7	GR
50050 1 FLOW	SAMPLE MEASUREMENT	* * * *	* * * *		0.00	228.80	532.80	MGD		Calc	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			CONT	*
50060 1 CHLORINE, TOTAL RESIDUAL EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY		NA	NA	MG/L	NA	CONT	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	0.20	0.50			CONT	NA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

F. W. Schneider V.P. Prod

RECEIVED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

609 365-7000

AREA
CODE

NUMBER

DATE

81 08 14

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

DIS 485 IS CONDENSER COOLING WATER. INTK PH LESS 6.0, DIS PH NOT LESS. INTK PH GRT 9.0, DIS PH NOT GRT. NOT MORE THAN 3 CONDENSORS MAY DIS TOT. OR FREE CHLORINE AT ANY TIME, AND NOT MORE THAN 30 MINUTES EACH TIME

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

NAME GEN MGR-ENV AFF

ADDRESS P.S.E. & G.

80 PARK PLACE-ROOM 8317

NEWARK NJ 07101

SALEM GENERATING STATION

LOWER ALLOWAYS CREEK

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

(2-16)

(17-19)

NJ0005622

I

486

PERMIT NUMBER

DISCHARGE NUMBER

Form Approved
OMB No. 158-R0073

GP AT MI
17 2 1

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
81	07	01		81	07	31
(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)		(3 Card Only) QUANTITY OR LOADING (40-41)			(4 Card Only) QUALITY OR CONCENTRATION (40-43)				NO. EX (42-43)	FREQUENCY OF ANALYSIS (44-45)	SAMPLE TYPE (46-49)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	SAMPLE MEASUREMENT	* * * *	* * * *		24.50	26.70	28.90	DEG. C		CONT	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			CONT	*
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		25.90	31.60	39.80	DEG. C	0	CONT	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	46.00			CONT	*
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	SAMPLE MEASUREMENT	* * * *	* * * *		0.10	4.90	11.60	DEG. C	0	CONT	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	15.30			*	*
00400 1 PH	SAMPLE MEASUREMENT	* * * *	* * * *		7.20	7.30	7.40		0	2/7	GR
	PERMIT REQUIREMENT	* * * *	* * * *		6.00	* * * *	9.00	SU		2/7	GR
00400 2 PH	SAMPLE MEASUREMENT	* * * *	* * * *		7.40	7.50	7.60			2/7	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *	SU		2/7	GR
50050 1 FLOW	SAMPLE MEASUREMENT	* * * *	* * * *		0.00	261.00	532.80			Calc	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *	MGD		CONT	*
50060 1 CHLORINE, TOTAL RESIDUAL EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY		NA	NA		NA	CONT	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	0.20	0.50	MG/L		CONT	NA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

F. W. Schneider V.P. Prod.

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 | 365-7000

AREA
CODE

NUMBER

DATE

81 | 08 | 14

YEAR | MO | DAY

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

DIS 486 IS CONDENSER COOLING WATER. INTK PH LESS 6.0, DIS PH NOT LESS. INTK PH GRT 9.0, DIS PH NOT GRT. NOT MORE THAN 3 CONDENSORS MAY DIS TOT. OR FREE CHLORINE AT ANY TIME, AND NOT MORE THAN 30 MINUTES EACH TIME

GP AT ME
 17 2 1


 NAME GEN HGM ENV AFF
 ADDRESS P.S.E. & G.
 80 PARK PLACE-ROOM 8317
 NEWARK NJ 07101
 FACILITY SALEM GENERATING STATION
 LOCATION LOWER ALLOWAYS CREEK

(2-16)		(17-19)	
NJ0005622		FAC	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
81	07	01	81
(20-21)	(22-23)	(24-25)	(26-27)

DELAWARE RIVER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (44-51)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00015 4 HEAT MILLIONS CF BTU'S PER HR NET EFFLUENT NET	SAMPLE MEASUREMENT	* * * *	* * * *		0.00	16,600.00	26,400.00	MBTUHR	1	Calc	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	16300.00		*		*
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
F.W. Schneider V.P. Prod.			609	365-7000	81	08	14
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

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

TOTAL OF DISCH 481,482,483,484,485,486

*Exception due to combined Station Heat Release of Units 1 & 2. Individual Heat Releases below Max Limit.

GP AT MI
17 2 1

NAME **GEN M. PENV AFF**
ADDRESS **P.S.E. & G.**
80 PARK PLACE-ROOM 8317
NEWARK NJ 07101
FACILITY **SALEM GENERATING STATION**
LOCATION **LOWER ALLOWAYS CREEK**

(2-16) **NJ0005622**
PERMIT NUMBER
(17-19) **F 89A**
DISCHARGE NUMBER
MONITORING PERIOD
FROM

YEAR	MO	DAY
81	07	01

 (20-31) (22-23) (24-25) TO

YEAR	MO	DAY
81	07	31

 (26-27) (28-29) (30-31)

DELAWARE RIVER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (18-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00530 4 SOLIDS, TOTAL SUSPENDED EFFLUENT NET	SAMPLE MEASUREMENT	*				*				1/30	24
	PERMIT REQUIREMENT	* * * *	* * * *	KG/DAY	* * * *	30.00	100.00	MG/L		1/30	24
00550 4 OIL AND GREASE EFFLUENT NET	SAMPLE MEASUREMENT	* * * *	* * * *			3.35			0	1/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *	KG/DAY	* * * *	15.00	20.00	MG/L		1/30	GR
00551 1 PETROLEUM HYDROCARBONS EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *			0.83				1/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *	KG/DAY	* * * *			MG/L		1/30	GR
50050 1 FLOW EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *			0.02				EST	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *			MGD		1/30	NA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
F.W. Schneider V.P. Prod.			609 365-7000	81	08	14	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

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

DIS 89A IS 489A

* Sample bottle broken in shipment to Energy Lab for Analysis.

8 12

NAME GEN MGS ENV AFF
 ADDRESS P.S.E. & G.
 80 PARK PLACE-ROOM 8317
 NEWARK NJ 07101
 FACILITY SALEM GENERATING STATION
 LOCATION LOWER ALLOWAYS CREEK

 (2-16) NJ0005622 (17-19) F 48C
 PERMIT NUMBER DISCHARGE NUMBER
 MONITORING PERIOD
 YEAR MO DAY YEAR MO DAY
 FROM 81 07 01 TO 81 07 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

DELAWARE RIVER

 GP AT ML
 17 2 I

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (40-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (58-65) QUALITY OR CONCENTRATION (66-83) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00530 4 SOLIDS, TOTAL SUSPENDED EFFLUENT NET	SAMPLE MEASUREMENT	*				*					24
	PERMIT REQUIREMENT	27.80	185.00	KG/DAY	* * * *	30.00	100.00	MG/L		1/30	24
00550 4 OIL AND GREASE EFFLUENT NET	SAMPLE MEASUREMENT	*				*					GR
	PERMIT REQUIREMENT	13.90	37.00	KG/DAY	* * * *	15.00	20.00	MG/L		1/30	GR
00551 1 PETROLEUM HYDROCARBONS EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *			0.43				1/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *	KG/DAY	* * * *	* * * *	* * * *	MG/L		1/30	GR
01042 4 COPPER, TOTAL (AS CU) EFFLUENT NET	SAMPLE MEASUREMENT	*				*					24
	PERMIT REQUIREMENT	1.85	1.85	KG/DAY	* * * *	1.00	1.00	MG/L		1/30	24
01045 4 IRON, TOTAL (AS FE) EFFLUENT NET	SAMPLE MEASUREMENT	*				*					24
	PERMIT REQUIREMENT	1.85	1.85	KG/DAY	* * * *	1.00	1.00	MG/L		1/30	24
50050 1 FLOW EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *			0.36					
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *	MGD		CONT	N
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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. § 1310. (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		
F.W. Schneider V.P. Prod.			609 365-7000	81 08 14			
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

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

* Sample bottles broken in shipment to Energy Lab for analysis.

MITTEE NAME/ADDRESS
City Name/Location (if different)
ME GEN MGR-ENV AFF
P.S.E. & G.
DRESS 80 PARK PLACE-ROOM 8317
NEWARK NJ 07101

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

Form Approved
OMB No. 158-R0073

(2-16) NJ0005622 F 488
PERMIT NUMBER DISCHARGE NUMBER

GP AT MI
17 2 1

CITY SALEM GENERATING STATION
CATION LOWER ALLOWAYS CREEK

DELAWARE RIVER

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 81 07 01 TO 81 07 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	<div></div>	(3 Card Only) (46-53)			QUANTITY OR LOADING (54-61)			(4 Card Only) (18-45)			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	UNITS								
00530 4 SCLIDS, TOTAL SUSPENDED EFFLUENT NET	SAMPLE MEASUREMENT	*		KG/DAY		*		MG/L						1/30	24	
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	30.00	100.00			1/30	24					
00550 5 OIL AND GREASE EFFLUENT NET	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY		*		MG/L					1/30	GR		
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	15.00	20.00			1/30	GR					
00551 1 PETROLEUM HYDROCARBONS EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY		1.35		MG/L					1/30	GR		
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			1/30	GR					
50050 1 FLOW EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *			0.03		MGD					EST	NA		
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			1/30	NA					
	SAMPLE MEASUREMENT															
	PERMIT REQUIREMENT															
	SAMPLE MEASUREMENT															
	PERMIT REQUIREMENT															
	SAMPLE MEASUREMENT															
	PERMIT REQUIREMENT															
	SAMPLE MEASUREMENT															
	PERMIT REQUIREMENT															

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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OFFENSES, SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penal-
ties 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

F.W. Schneider V.P. Prod.

TYPED OR PRINTED

609 | 365-7000

AREA
CODE

NUMBER

81

08

14

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

*Sample bottle broken in shipment to Energy Lab for Analysis.

ME GEN MGR ENV AFF

DISCHARGE MONITORING REPORT (DMR)

(12-16)

(17-19)

NJ0005622

F

87A

PERMIT NUMBER

DISCHARGE NUMBER

 GP AT MI
17 2 I

 ADDRESS P.S.E. & G.
80 PARK PLACE-ROOM 8317
NEWARK NJ 07101
CITY SALEM GENERATING STATION
LOCATION LOWER ALLOWAYS CREEK

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
81	07	01	81	07	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

DELAWARE RIVER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(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 (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
00530 4 SOLIDS, TOTAL SUSPENDED EFFLUENT NET	SAMPLE MEASUREMENT	*		KG/DAY		*			1/30	
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	30.00	100.00		1/30	24
00550 4 OIL AND GREASE EFFLUENT NET	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY		3.25			1/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	15.00	20.00		1/30	GR
00551 1 PETROLEUM HYDROCARBONS EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *	KG/DAY		0.71			1/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *				1/30	GR
50050 1 FLOW EFFLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *			0.01			EST	NA
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *				1/30	NA
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
F.W. Schneider V.P. Prod.				609	365-7000	81	08	14
TYPED OR PRINTED				AREA CODE	NUMBER	YEAR	MO	DAY

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

DIS 87A IS 487A

* Sample bottle broken in shipment to Energy Lab for Analysis.

STATE NAME/ADDRESS (Include Name/Location if different)
GEN AG-8 AFF
P.S.E. & G.
80 PARK PLACE-ROOM 8317
NEWARK NJ 07101
SALEM GENERATING STATION
LOWER ALLOWAYS CREEK


NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(12-16) NJ0005622 F (17-19) 87B
PERMIT NUMBER DISCHARGE NUMBER
MONITORING PERIOD
FROM 81 07 01 TO 81 07 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Form Approved
OMB No. 158-R0073
AT MI
17 2 I

DELAWARE RIVER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Cont Only) (40-43)			(4 Cont Only) (50-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
056 I OW RATE ALLONS PER DAY) FLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *			3,250.00	16690.00	GPD		Calc	24
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	* * * *	* * * *			*	*
310 I D, 5-DAY, DEG. C. FLUENT GROSS	SAMPLE MEASUREMENT	0.33	0.38	KG/DAY	18.00	26.50	31.00	MG/L	0	4/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	30.00	45.00			1/30	GR
530 I LIDS, TOTAL SPENDED FLUENT GROSS	SAMPLE MEASUREMENT	0.11	0.17	KG/DAY	3.00	8.50	14.00	MG/L	0	2/30	24
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	30.00	45.00			1/30	24
055 I LIFORM-FECAL FLUENT GROSS	SAMPLE MEASUREMENT	* * * *	* * * *		0.00	840.00	3360.00	N/100ML	2	4/30	GR
	PERMIT REQUIREMENT	* * * *	* * * *		* * * *	200.00	400.00			1/30	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER W. Schneider V.P. Prod. 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.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	TELEPHONE		DATE		
			609	365-7000	81	08	14
			AREA CODE	NUMBER	YEAR	MO	DAY

ENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
S 87B IS DISCHARGE 487B. AVERAGE VALUE IS 30 DAY DAILY AVE, MAX VAL IS 7 DAY DAILY AVE(TSS,BOD5). DISCH
GE MONITOR PRIOR TO COMB WITH DIS487. FLOW MEAS CONT FOR CONT DIS, 1/30 FOR INTERMITTENT DISCH.