



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

Salem Nuclear Generating Station

December 27, 1978

50-272

Status of Compliance Branch
Enforcement Division
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, New York 10007

Attention: Dr. Richard A. Baker, Chief

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 November, 1978.

The material removed from the main circulating water and collected
on the traveling screens was removed from the property by the O'Hara
Sanitation Company, Inc., King of Prussia, Pennsylvania and deposited
at the Quinton landfill.

Very truly yours,

H. J. Midura
Manager - Salem Generating Station

LKM:pgb

CC: Director, Division of Water Resources (N.J. Dept. of Env. Pro.)
General Manager - Electric Production
Mr. Gerald M. Hansler, Executive 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.

17.5.18.R1



REGULATORY DOCKET FILE COPY

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S/11

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Form Approved
OMB NO. 158-R0073
00007
6P AT M1
17 2 1

P.S.E. & G SALEM GENERATING
80 PARK PLACE ROOM 8317

DELAWARE RIVER
LOWER ALLOWAYS CREEK
COOLING WATER

INSTRUCTIONS

- Provide dates for period covered by this report in spaces marked "REPORTING PERIOD".
- Enter reported minimum, average and maximum values under "QUANTITY" and "CONCENTRATION" in the units specified for each parameter as appropriate. Do not enter values in boxes containing asterisks. "AVERAGE" is average computed over actual time discharge is operating. "MAXIMUM" and "MINIMUM" are extreme values observed during the reporting period.
- Specify the number of analyzed samples that exceed the maximum (and/or minimum as appropriate) permit conditions in the columns labeled "No. Ex." If none, enter "0".
- Specify frequency of analysis for each parameter as No. analyses/No. days. (e.g., "3/7" is equivalent to 3 analyses performed every 7 days.) If continuous enter "CONT."
- Specify sample type ("grab" or "hr. composite") as applicable. If frequency was continuous, enter "NA".
- Appropriate signature is required on bottom of this form.
- Remove carbon and retain copy for your records.
- Fold along dotted lines, staple and mail Original to office specified in permit.

NEWARK

NJ 07101

12-30 NJ ST	14-10 0005622 PERMIT NUMBER	17-18 481 DIS	19-21 4931 SIC	22-23 LATITUDE	24-25 LONGITUDE
120-211 (122-211) (124-211) REPORTING PERIOD: FROM		78	11	01	TO
		YEAR	MO	DAY	
		78	13	0	
		YEAR	MO	DAY	

PARAMETER		(3 card only) QUANTITY (120-211)				UNITS	(4 card only) CONCENTRATION (122-211)				UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	NO. EX		MINIMUM	AVERAGE	MAXIMUM	NO. EX				
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	REPORTED	8.3	12.9	16.9	0	DEG.C	0	0	0	0	0	0	Cont.	N/A
	PERMIT CONDITION	*****	*****	*****	0	DEG.C	*****	*****	*****	*****	0	0	Cont.	*
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	REPORTED	8.1	20.3	30.2	0	DEG.C	0	0	0	0	0	0	Cont.	N/A
	PERMIT CONDITION	*****	*****	46.00	0	DEG.C	*****	*****	*****	*****	0	0	Cont.	*
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	REPORTED	0	7.7	15.3	0	DEG C	0	0	0	0	0	0	Cont.	N/A
	PERMIT CONDITION	*****	*****	15.30	0	DEG C	*****	*****	*****	*****	0	0	Cont.	*
00400 1 PH	REPORTED	6.98	7.35	7.68	0	SU	0	0	0	0	0	0	2/7	Gr
	PERMIT CONDITION	6.00	*****	9.00	0	SU	*****	*****	*****	*****	0	0	2/7	GR
00400 2 PH	REPORTED	6.97	7.19	7.80	0	SU	0	0	0	0	0	0	2/7	Gr
	PERMIT CONDITION	*****	*****	*****	0	SU	*****	*****	*****	*****	0	0	2/7	GR
50050 1 FLOW	REPORTED	0	250.5	532.8	0	MGD	0	0	0	0	0	0	Cont.	N/A
	PERMIT CONDITION	*****	*****	*****	0	MGD	*****	*****	*****	*****	0	0	Cont.	*
50060 1 CHLORINE, TOTAL RESIDUAL EFFLUENT GROSS	REPORTED	*****	*****	*****	0	KG/DAY	0	0	0	0	0	0	Cont.	N/A
	PERMIT CONDITION	*****	*****	*****	0.20	KG/DAY	*****	0.20	0.50	*****	0	0	Cont.	*
	REPORTED													
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER			TITLE OF THE OFFICER			DATE			I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Schneider, F. W.			V.P. - Production			7 8 22 16				
LAST	FIRST	MI	TITLE	YEAR	MO	DAY				

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Form Approved
OMB NO. 158-R0073
00010
GP AT MI
17 2 1

P.S.E. & G SALEM GENERATING

80 PARK PLACE ROOM 8317

NEWARK

NJ 07101

DELAWARE RIVER
LOWER ALLOWAYS CREEK
COOLING WATER

INSTRUCTIONS

1. Provide dates for period covered by this report in spaces marked "REPORTING PERIOD".
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5. Specify sample type ("grab" or "hr. composite") as applicable. If frequency was continuous, enter "NA".
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(12-3) (4-10) (17-10)

NJ 0005672 PERMIT NUMBER I 482 DIS 4931 SIC

LATITUDE LONGITUDE

(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

REPORTING PERIOD: FROM 78 1 10 1 TO 7 8 13 10

YEAR MO DAY YEAR MO DAY

PARAMETER		(3 card only)				UNITS	NO. EX	(4 card only)				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		QUANTITY			UNITS			CONCENTRATION			UNITS			
		MINIMUM	AVERAGE	MAXIMUM			MINIMUM	AVERAGE	MAXIMUM					
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	REPORTED	7.9	12.1	14.5	DEG.C	0	*	*	*	*	0	Cont.	N/A	
	PERMIT CONDITION	*	*	*	*		*	*	*	*		CONT	*	
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	REPORTED	9.3	23.0	28.8	DEG.C	0	*	*	*	*	0	Cont.	N/A	
	PERMIT CONDITION	*	*	*	46.00		*	*	*	*		CONT	*	
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	REPORTED	0.5	11.0	15.2	DEG C	0	*	*	*	*	0	Cont.	N/A	
	PERMIT CONDITION	*	*	*	15.30		*	*	*	*		*	*	
00400 1 PH EFFLUENT GROSS	REPORTED	6.98	7.35	7.68	SU	0	*	*	*	*	0	2/7	Gr	
	PERMIT CONDITION	6.00	*	*	9.00		*	*	*	*		2/7	GR	
50050 1 FLOW EFFLUENT GROSS	REPORTED	0	195.0	532.8	MGD	0	*	*	*	*	0	Cont.	N/A	
	PERMIT CONDITION	*	*	*	*		*	*	*	*		CONT	*	
50060 1 CHLORINE, TOTAL RESIDUAL EFFLUENT GROSS	REPORTED	*	*	*	KG/DAY		0	0	0	MG/L	0	Cont.	N/A	
	PERMIT CONDITION	*	*	*	*		*	0.20	0.50			CONT	*	
00400 2 PH INFLUENT	REPORTED	6.97	7.19	7.80	SU	0	*	*	*	*	0	2/7	Gr	
	PERMIT CONDITION	*	*	*	*		*	*	*	*		2/7	GR	
	REPORTED													
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER: Schneider, F. W. TITLE OF THE OFFICER: V. P. - Production DATE: 78 12 26

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: *F. W. Schneider*

EPA Form 3320-1 (10-72) DIS 482 IS CONDENSER COOLING WATER. INTK PH LESS 6.0, DIS PH NOT LESS. INTK PH GRTER 9.0, DIS PH NOT GRTER. PAGE OF NOT MORE THAN 1. CONDENSER MAY DIS TOTAL OR FREE CHLORINE AT ANY time, AND NOT MORE THAN 30 minutes each

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Form Approved
OMB NO. 158-R0073
00013
GP AT MI
17 2 I

P.S.E. & G SALEM GENERATING
80 PARK PLACE ROOM 8317
NEWARK
NJ 07101

DELAWARE RIVER
LOWER ALLOWAYS CREEK
COOLING WATER

INSTRUCTIONS

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6. Appropriate signature is required on bottom of this form.
7. Remove carbon and retain copy for your records.
8. Fold along dotted lines, staple and mail Original to office specified in permit.

(12-M) NJ ST	(14-16) 0005622 PERMIT NUMBER	(17-19) 483 DIS	4931 SIC	LATITUDE	LONGITUDE
REPORTING PERIOD: FROM			TO		
78 1 10 1 YEAR MO DAY			78 1 30 YEAR MO DAY		

PARAMETER		(3 card only)				UNITS	NO. EX	(4 card only)			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	MINIMUM			AVERAGE	MAXIMUM					
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	REPORTED	8.1	11.6	13.9	DEG. C	0	*****	*****	*****	*****	0	Cont.	N/A	
	PERMIT CONDITION	*****	*****	*****										*****
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	REPORTED	8.1	21.0	30.0	DEG. C	0	*****	*****	*****	*****	0	Cont.	N/A	
	PERMIT CONDITION	*****	*****	46.00										*****
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	REPORTED	0.2	9.2	15.3	DEG C	0	*****	*****	*****	*****	0	Cont.	N/A	
	PERMIT CONDITION	*****	*****	15.30										*****
00400 1 PH EFFLUENT GROSS	REPORTED	6.98	7.35	7.68	SU	0	*****	*****	*****	*****	0	2/7	Gr	
	PERMIT CONDITION	6.00	*****	9.00										*****
00400 2 PH INFLUENT	REPORTED	6.97	7.19	7.80	SU	0	*****	*****	*****	*****	0	2/7	GR	
	PERMIT CONDITION	*****	*****	*****										*****
50050 1 FLOW EFFLUENT GROSS	REPORTED	0	197.2	532.8	MGD	0	*****	*****	*****	*****	0	Cont.	N/A	
	PERMIT CONDITION	*****	*****	*****										*****
50060 1 CHLORINE, TOTAL RESIDUAL EFFLUENT GROSS	REPORTED	*****	*****	*****	KG/DAY	0	*****	0	0	0	0	Cont.	N/A	
	PERMIT CONDITION	*****	*****	*****										*****
REPORTED														
PERMIT CONDITION														

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Schneider, F. W.			V.P. - Production			7 8 1 22 16				
LAST	FIRST	MI	TITLE	YEAR	MO	DAY				

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Form Approved
OMB NO. 158-R0073
00016
GP AT MI
17 2 1

P.S.E.C G SALEM GENERATING
80 PARK PLACE ROOM 8317
NEWARK
NJ 07101

DELAWARE RIVER
LOWER ALLOWAYS CREEK
COOLING WATER

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(12-2) NJ ST	(14-16) 0005622 PERMIT NUMBER	(17-19) 484 DIS	4931 SIC	LATITUDE	LONGITUDE
REPORTING PERIOD: FROM		(20-21) (22-23) (24-25) 7 8 11 0 11 YEAR MO DAY	TO	(26-27) (28-29) (30-31) 7 18 1 1 3 1 YEAR MO DAY	

PARAMETER		QUANTITY				UNITS	NO. EX	CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		(3 cond only)			UNITS			(4 cond only)			UNITS			
		MINIMUM	AVERAGE	MAXIMUM				MINIMUM	AVERAGE	MAXIMUM				
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	REPORTED				DEG. C		•••••	•••••	•••••					
	PERMIT CONDITION	•••••	•••••	•••••			•••••	•••••	•••••			CONT	•	
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	REPORTED				DEG. C		•••••	•••••	•••••					
	PERMIT CONDITION	•••••	•••••	46.00			•••••	•••••	•••••			CONT	•	
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	REPORTED				DEG C		•••••	•••••	•••••					
	PERMIT CONDITION	•••••	•••••	15.30			•••••	•••••	•••••			•	•	
00400 1 PH EFFLUENT GROSS	REPORTED				SU		•••••	•••••	•••••					
	PERMIT CONDITION	6.00	•••••	9.00			•••••	•••••	•••••			2/7	GR	
00400 2 PH INFLUENT	REPORTED				SU		•••••	•••••	•••••					
	PERMIT CONDITION	•••••	•••••	•••••			•••••	•••••	•••••			2/7	GR	
50050 1 FLOW EFFLUENT GROSS	REPORTED				MGD		•••••	•••••	•••••					
	PERMIT CONDITION	•••••	•••••	•••••			•••••	•••••	•••••			CONT	•	
50060 1 CHLORINE, TOTAL RESIDUAL EFFLUENT GROSS	REPORTED	•••••	•••••	•••••	KG/DAY									
	PERMIT CONDITION	•••••	•••••	•••••			•••••	0.20	0.50			CONT	•	
	REPORTED	NO DISCHARGE OCCURRED DURING THIS REPORT PERIOD.												
	PERMIT CONDITION	NO DISCHARGE OCCURRED DURING THIS REPORT PERIOD.												

NAME OF PRINCIPAL EXECUTIVE OFFICER		TITLE OF THE OFFICER		DATE		I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Schneider, F. W.		V.P. - Production		78 12 21 6			
LAST	FIRST	MI	TITLE	YEAR	MO	DAY	

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Form Approved
OMB NO. 158-R0073
00019
GP AT MI
17 2 1

P.S.G. & C SALEM GENERATING
80 PARK PLACE ROOM 8317
NEWARK
NJ 07101

DELAWARE RIVER
LOWER ALLOWAYS CREEK
COOLING WATER

INSTRUCTIONS

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5. Specify sample type ("grab" or "hr. composite") as applicable. If frequency was continuous, enter "NA".
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(12-9) NJ ST	(14-10) 0005622 PERMIT NUMBER	(17-19) I 485 DIS	4931 SIC	LATITUDE	LONGITUDE
REPORTING PERIOD: FROM		(19-21) (22-24) (25-28) 7 8 1 1 0 1 1 YEAR MO DAY	TO	(29-31) (32-34) (35-38) 7 1 8 1 1 3 0 YEAR MO DAY	

PARAMETER		(3 card only)				UNITS	NO. EX	(6 card only)			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	MINIMUM			AVERAGE	MAXIMUM					
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	REPORTED					DEG. C		•••••	•••••	•••••				
	PERMIT CONDITION	•••••	•••••	•••••				•••••	•••••	•••••			CONT	•
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	REPORTED					DEG. C		•••••	•••••	•••••				
	PERMIT CONDITION	•••••	•••••	46.00				•••••	•••••	•••••			CONT	•
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	REPORTED					DEG. C		•••••	•••••	•••••				
	PERMIT CONDITION	•••••	•••••	15.30				•••••	•••••	•••••				•
00400 1 PH EFFLUENT GROSS	REPORTED					SU		•••••	•••••	•••••				
	PERMIT CONDITION	6.00	•••••	9.00				•••••	•••••	•••••			2/7	GR
00400 2 PH INFLUENT	REPORTED					SU		•••••	•••••	•••••				
	PERMIT CONDITION	•••••	•••••	•••••				•••••	•••••	•••••			2/7	GR
50050 1 FLOW EFFLUENT GROSS	REPORTED					MGD		•••••	•••••	•••••				
	PERMIT CONDITION	•••••	•••••	•••••				•••••	•••••	•••••			CONT	•
50060 1 CHLORINE, TOTAL RESIDUAL EFFLUENT GROSS	REPORTED	•••••	•••••	•••••		KG/DAY								
	PERMIT CONDITION	•••••	•••••	•••••				•••••	0.20	0.50			CONT	•
	REPORTED	NO DISCHARGE OCCURRED DURING THIS REPORT PERIOD.												
	PERMIT CONDITION													

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Schneider, F. W.		V.P. - Production		78 12 26			
LAST	FIRST	MI	TITLE	YEAR	MO	DAY	

EPA Form 3320-1 (10-72) DIS 485 IS CONDENSER COOLING WATER. INTK PH LESS 6.0, DIS PH NOT LESS. INTK PH GRTER 9.0, DIS PH NOT GRTER PAGE OF
NOT MORE THAN 3 CONDENSER MAY DIS TOTAL OR FREE CHLORINE AT ANY time, AND NOT MORE THAN 30 minutes each ORIGINAL

REV. 9/78

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Form Approved
OMB NO. 150-R0073
00022
GP AT MI
17 2 1

P.S.E.6 6 SALEM GENERATING

80 PARK PLACE ROOM 8317

NEWARK

NJ 07101

DELAWARE RIVER
LOWER ALLOWAYS CREEK
COOLING WATER

INSTRUCTIONS

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(12-26) NJ ST	(4-16) 0005422 PERMIT NUMBER	(17-19) 486 DIS	4931 SIC	(26-27) (28-29) (30-31) LATITUDE	(26-27) (28-29) (30-31) LONGITUDE
REPORTING PERIOD: FROM		(20-21) (22-23) (24-24) 78 1 1 0 1 YEAR MO DAY	TO	(20-21) (22-23) (24-24) 7 8 11 30 YEAR MO DAY	

PARAMETER		(3 card only) QUANTITY				UNITS	NO. EX	(4 card only) CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		(22-23) MINIMUM	(24-25) AVERAGE	(26-27) MAXIMUM	(28-29) UNITS			(30-31) MINIMUM	(32-33) AVERAGE	(34-35) MAXIMUM	(36-37) UNITS			
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	REPORTED					DEG.C		•••••	•••••	•••••				
	PERMIT CONDITION	•••••	•••••	•••••				•••••	•••••	•••••			CONT	•
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	REPORTED					DEG.C		•••••	•••••	•••••				
	PERMIT CONDITION	•••••	•••••	46.00				•••••	•••••	•••••			CONT	•
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	REPORTED					DEG C		•••••	•••••	•••••				
	PERMIT CONDITION	•••••	•••••	15.30				•••••	•••••	•••••			•	•
00400 1 PH EFFLUENT GROSS	REPORTED					SU		•••••	•••••	•••••				
	PERMIT CONDITION	6.00	•••••	9.00				•••••	•••••	•••••			2/7	GR
00400 2 PH INFLUENT	REPORTED					SU		•••••	•••••	•••••				
	PERMIT CONDITION	•••••	•••••	•••••				•••••	•••••	•••••			2/7	GR
50050 1 FLOW EFFLUENT GROSS	REPORTED					MGD		•••••	•••••	•••••				
	PERMIT CONDITION	•••••	•••••	•••••				•••••	•••••	•••••			CONT	•
50060 1 CHLORINE, TOTAL RESIDUAL EFFLUENT GROSS	REPORTED	•••••	•••••	•••••		KG/DAY								
	PERMIT CONDITION	•••••	•••••	•••••				•••••	0.20	0.50			CONT	•
	REPORTED	NO DISCHARGE OCCURRED DURING THIS REPORT PERIOD.												
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER		TITLE OF THE OFFICER		DATE		I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Schneider, F.W.		V.P. - Production		7 8 1 22 16			
LAST	FIRST	MI	TITLE	YEAR	MO	DAY	

EPA Form 3320-1 (10-72) DIS 486 IS CONDENSER COOLING WATER. INTK PH LESS 6.0, DIS PH NOT LESS. INTK PH GRTER 9.0, DIS PH NOT GRTER PAGE OF
NOT MORE THAN 3 CONDENSER MAY DIS TOTAL OR FREE CHLORINE AT ANY TIME, AND NOT MORE THAN 30 minutes each PERMIT

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Form Approved
OMB NO. 158-R0073
00001
GP AT NI
17 2 I

P.S.E. & G SALEM GENERATING
80 PARK PLACE ROOM 8317

DELAWARE RIVER
LOWER ALLOWAYS CREEK
COOLING WATER

NEWARK

NJ: 07101

INSTRUCTIONS

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5. Specify sample type ("grab" or "hr. composite") as applicable. If frequency was continuous, enter "NA".
6. Appropriate signature is required on bottom of this form.
7. Remove carbon and retain copy for your records.
8. Fold along dotted lines, staple and mail Original to office specified in permit.

(12-20) NJ ST	(14-18) 0005622 PERMIT NUMBER	(17-19) FAC DIS	(19-21) 4931 SIC	LATITUDE	LONGITUDE
REPORTING PERIOD: FROM		(20-21) (22-23) (24-25) 7 8 10 1	TO	(26-27) (28-29) (30-31) 78 11 30	
		YEAR	MO	DAY	YEAR

PARAMETER		(3 card only) QUANTITY				UNITS	NO. EX	(4 card only) CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		(20-21) MINIMUM	(22-23) AVERAGE	(24-25) MAXIMUM	(26-27) MINIMUM			(28-29) AVERAGE	(30-31) MAXIMUM					
00015 4 HEAT-MILLIONS OF BTU'S PER HOUR NET EFFLUENT NET	REPORTED	0	5400	11800	MBTU/HR	0	*****	*****	*****	0	Calc.	N/A		
	PERMIT CONDITION	*****	*****	16,300.00		*****	*****	*****	*****					
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													

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Schneider, F. W.		V.P. - Production		78 12 26			
LAST	FIRST	MI	TITLE	YEAR	MO	DAY	

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Form Approved
OMB NO. 158-R0073
00031
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17 2 1

P.S.E. & C SALEM GENERATING

DELAWARE RIVER
LOWER ALLOWAYS CREEK

80 PARK PLACE ROOM 8317

NEWARK

NJ 07101

INSTRUCTIONS

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(12-3) NJ ST	(14-16) 0003622 PERMIT NUMBER	(17-19) 87B DIS	(20-22) 4931 SIC	(23-25) LATITUDE	(26-28) LONGITUDE
REPORTING PERIOD: FROM			(29-31) 78 1 10 1 YEAR MO DAY	TO	(32-34) 7 8 1 13 0 YEAR MO DAY

PARAMETER	REPORTED	(3 card only) QUANTITY				UNITS	NO. EX	(4 card only) CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	UNITS			MINIMUM	AVERAGE	MAXIMUM	UNITS			
00056 1 FLOW RATE (GALLONS PER DAY) EFFLUENT GROSS	REPORTED	600	730	2800		0	0	5	18		0	30/30	30 day Comp.	
	PERMIT CONDITION	*****	*****	*****	GPD	0	*****	*****	*****		0			
00310 1 BOD, 5-DAY, 20 DEG. C. EFFLUENT GROSS	REPORTED	.01	.03	.05		0	5	9	18		0	1/7	Gr	
	PERMIT CONDITION	*****	*****	*****	KG/DAY	0	*****	30.00	45.00		0	1/30	GR	
00530 1 SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS	REPORTED	.05	.06	.06		0	18.8	20.5	22.0		0	3/30	Gr	
	PERMIT CONDITION	*****	*****	*****	KG/DAY	0	*****	30.00	45.00		0	1/30	24	
74055 1 COLIFORM-FECAL EFFLUENT GROSS	REPORTED					0	<2	7	22		0	1/7	Gr	
	PERMIT CONDITION	*****	*****	*****		0	*****	200.00	400.00		0	1/30	GR	
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER	TITLE OF THE OFFICER	DATE	I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Schneider, F. W.	V.P. - Production	78 12 26		
LAST FIRST MI	TITLE	YEAR MO DAY		

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Form Approved
OMB NO. 155-R0073
00004
GP AT MI
17 2 I

P.S.E. & G SALEM GENERATING

DELAWARE RIVER
LOWER ALLOWAYS CREEK

80 PARK PLACE ROOM 8317

NEWARK

NJ 07101

INSTRUCTIONS

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4. Specify frequency of analysis for each parameter as No. analyses/No. days. (e.g., "3/7" is equivalent to 3 analyses performed every 7 days.) If continuous enter "CONT."
5. Specify sample type ("grab" or "hr. composite") as applicable. If frequency was continuous, enter "NA".
6. Appropriate signature is required on bottom of this form.
7. Remove carbon and retain copy for your records.
8. Fold along dotted lines, staple and mail Original to office specified in permit.

12-N NJ ST	14-16 0005622 PERMIT NUMBER	117-101 F ABC DIS	4931 SIC	LATITUDE	LONGITUDE
REPORTING PERIOD: FROM		78 YEAR	11 MO	01 DAY	TO
		78 YEAR	11 MO	13 DAY	0 DAY

PARAMETER		(3 card only) QUANTITY				UNITS	NO. EX	(4 card only) CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM				MINIMUM	AVERAGE	MAXIMUM				
00400 1 PH	REPORTED	N/A	N/A	N/A	SU	0	*****	*****	*****		0	N/A	N/A	
EFFLUENT GROSS	PERMIT CONDITION	4.00	*****	9.00			*****	*****	*****			*	*	
00530 4 SOLIDS, TOTAL SUSPENDED EFFLUENT NET	REPORTED	.85	1.7	4.3	KG/DAY	0	1.5	3.0	7.5		0	3/30	24	
EFFLUENT NET	PERMIT CONDITION	*****	27.00	185.00			*****	30.00	100.00			1/30	24	
00550 4 OIL AND GREASE	REPORTED	.34	.57	.74	KG/DAY	0	0.6	1.0	1.3		0	4/30	Gr	
EFFLUENT NET	PERMIT CONDITION	*****	13.90	37.00			*****	15.00	20.00			1/30	GR	
00551 1 PETROLEUM HYDROCARBONS EFFLUENT GROSS	REPORTED	<.14	<.14	<.14	KG/DAY		<.25	<.25	<.25			2/30	Gr	
EFFLUENT GROSS	PERMIT CONDITION	*****	*****	*****			*****	*****	*****			1/30	GR	
01042 4 COPPER, TOTAL (AS CU)	REPORTED	.01	.04	.07	KG/DAY	0	.02	.07	.13		0	3/30	24	
EFFLUENT NET	PERMIT CONDITION	*****	1.85	1.85			*****	1.00	1.00			1/30	24	
01045 4 IRON, TOTAL (AS FE)	REPORTED	.18	.51	.70	KG/DAY	0	.33	.90	1.23		2	3/30	24	
EFFLUENT NET	PERMIT CONDITION	*****	1.85	1.85			*****	1.00	1.00			1/30	24	
50050 1 FLOW	REPORTED	.15	.15	.15	MGD		*****	*****	*****			Est	N/A	
EFFLUENT GROSS	PERMIT CONDITION	*****	*****	*****			*****	*****	*****			CONT	NA	
	REPORTED													
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER			TITLE OF THE OFFICER			DATE			I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Schneider, F. W.			V.P. - Production			78 12 26				
LAST	FIRST	MI	TITLE	YEAR	MO	DAY				

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Form Approved
OMB NO. 158-R0073
00028
GP AT MI
17 2 1

P.S.E.6 6 SALEM GENERATING
80 PARK PLACE ROOM 8317
NEWARK
NJ 07101

DELAWARE RIVER
LOWER ALLOWAYS CREEK

INSTRUCTIONS

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7. Remove carbon and retain copy for your records.
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(12-3) NJ ST	(14-18) 0005622 PERMIT NUMBER	(17-18) F 07A DIS	(19-21) 4931 SIC	(22-23) LATITUDE	(24-25) LONGITUDE
REPORTING PERIOD: FROM		(26-28) 7 8 1 YEAR MO DAY	TO		(29-31) 78 11 30 YEAR MO DAY

PARAMETER		(3 card only) QUANTITY				UNITS	NO. EX	(4 card only) CONCENTRATION				UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		(26-28) MINIMUM	(29-31) AVERAGE	(32-34) MAXIMUM	(35-37) MAXIMUM			(38-40) MINIMUM	(41-43) AVERAGE	(44-46) MAXIMUM	(47-49) MAXIMUM				
00530 4 SOLIDS, TOTAL SUSPENDED EFFLUENT NET	REPORTED	.02	.31	.72				0.5	8.1	19				4/30	24
	PERMIT CONDITION	*****	*****	*****	KG/DAY		*****	30.00	100.00				1/30	24	
00550 4 OIL AND GREASE EFFLUENT NET	REPORTED	.04	.17	.20				1.0	4.4	5.4				4/30	Gr
	PERMIT CONDITION	*****	*****	*****	KG/DAY		*****	15.00	20.00				1/30	GR	
00551 1 PETROLEUM HYDROCARBONS EFFLUENT GROSS	REPORTED	<.01	<.01	<.01				<.25	<.25	<.25				1/30	Gr
	PERMIT CONDITION	*****	*****	*****	KG/DAY		*****	*****	*****				1/30	GR	
50050 1 FLOW EFFLUENT GROSS	REPORTED	.01	.01	.01		0		*****	*****	*****		0	Est.	N/A	
	PERMIT CONDITION	*****	*****	*****	MGD		*****	*****	*****				1/30	NA	
	REPORTED														
	PERMIT CONDITION														
	REPORTED														
	PERMIT CONDITION														
	REPORTED														
	PERMIT CONDITION														

NAME OF PRINCIPAL EXECUTIVE OFFICER			TITLE OF THE OFFICER			DATE			I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	<i>[Signature]</i> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
LAST	FIRST	MI	TITLE	YEAR	MO	DAY	YEAR	MO		
Schneider,	F. W.		V.P. - Production	78	12	26				

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Form Approved
OMB NO. 158-R0073
00025
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17 2 1

P.S.E. & G SALEM GENERATING
80 PARK PLACE ROOM 8317

DELAWARE RIVER
LOWER ALLOWAYS CREEK

NEWARK

NJ 07101

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(12-2) NJ ST	(14-16) 0005422 PERMIT NUMBER	(17-18) F DIS 488 SIC 4931	(19-21) 78 YEAR	(22-24) 1 10 1 MO DAY	TO	(25-27) 7 81 YEAR	(28-30) 1 30 MO DAY
			LATITUDE		LONGITUDE		

REPORTING PERIOD: FROM

TO

PARAMETER	PERMIT CONDITION	QUANTITY				UNITS	NO. EX	CONCENTRATION				UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM				MINIMUM	AVERAGE	MAXIMUM					
00530 4 SOLIDS, TOTAL EFFLUENT NET	REPORTED	.40	.62	.77	KG/DAY		32	49	61	MG/L	1	4/30	24		
	PERMIT CONDITION	*****	*****	*****			*****	30.00	100.00			1/30	24		
00550 4 OIL AND GREASE EFFLUENT NET	REPORTED	.01	.02	.02	KG/DAY	0	1.0	1.3	1.8	MG/L	0	4/30	Gr		
	PERMIT CONDITION	*****	*****	*****			*****	15.00	20.00			1/30	Gr		
00551 1 PETROLEUM EFFLUENT GROSS	REPORTED	<.00	<.00	<.00	KG/DAY		<.25	<.25	<.25	MG/L		1/30	Gr		
	PERMIT CONDITION	*****	*****	*****			*****	*****	*****			1/30	Gr		
50050 1 FLOW EFFLUENT GROSS	REPORTED	.03	.03	.03	MGD		*****	*****	*****			Est.	N/A		
	PERMIT CONDITION	*****	*****	*****			*****	*****	*****			1/30	NA		
	REPORTED														
	PERMIT CONDITION														
	REPORTED														
	PERMIT CONDITION														
	REPORTED														
	PERMIT CONDITION														

NAME OF PRINCIPAL EXECUTIVE OFFICER

TITLE OF THE OFFICER

DATE

Schneider, F. W.

V.P. - Production

7 81 22 6

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Form Approved
OMB NO. 156-R0073
00034
GP AT MI
17 2 1

P.S.E. & G SALEM GENERATING
80 PARK PLACE ROOM 8317

DELAWARE RIVER
LOWER ALLOWAYS CREEK

NEWARK

NJ 07101

INSTRUCTIONS

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12-M NJ ST	14-18 0005422 PERMIT NUMBER	17-19 89A DIS	20-22 4931 SIC	LATITUDE		LONGITUDE	
REPORTING PERIOD: FROM				23-25 7 8 10 1 YEAR MO DAY	TO	26-28 7 8 1 30 YEAR MO DAY	

PARAMETER		(3 card only) QUANTITY				UNITS	NO. EX	(4 card only) CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM				MINIMUM	AVERAGE	MAXIMUM				
00530 4 SOLIDS, TOTAL SUSPENDED EFFLUENT NET	REPORTED	.03	.83	1.9	KG/DAY		1.5	44	99	MG/L	1	4/30	24	
	PERMIT CONDITION	*****	*****	*****			30.00	100.00			1/30	24		
00550 4 OIL AND GREASE EFFLUENT NET	REPORTED	.05	.19	.47	KG/DAY		2.5	10.2	25	MG/L	1	3/30	Gr	
	PERMIT CONDITION	*****	*****	*****			15.00	20.00			1/30	GR		
00551 1 PETROLEUM HYDROCARBONS EFFLUENT GROSS	REPORTED	.03	.03	.03	KG/DAY		1.3	1.3	1.3	MG/L		1/30	Gr	
	PERMIT CONDITION	*****	*****	*****			*****	*****	*****		1/30	GR		
50050 1 FLOW EFFLUENT GROSS	REPORTED	.02	.02	.02	MGD		*****	*****	*****		0	Est.	N/A	
	PERMIT CONDITION	*****	*****	*****			*****	*****	*****		1/30	NA		
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER			TITLE OF THE OFFICER			DATE		
Schneider, F. W.			V.P. - Production			78 12 26		
LAST	FIRST	MI	TITLE	YEAR	MO	DAY		

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

Public Service Electric & Gas Company

Salem Generating Station
 NPDES Discharge Monitoring Report - November 1978
 Permit Number NJ 0005622
 Condenser Cooling Water Discharge

Date	Discharge No. 481				Discharge No. 482			
	Feed Period		D-90 Feed		Feed Period		D-90 Feed	
	Start	Finish	PPM	Total Pounds	Start	Finish	PPM	Total Pounds
1	1330	1430	3.0	290				
2	1100	1205	3.0	290				
3	1900	2005	3.0	290				
4								
5								
6								
7								
8								
9								
10								
11								
12					1100	1425	2.8	240
13	0100	0210	2.8	240	0100	0210	2.8	240
14	0110	0220	2.8	240	0110	0220	2.8	240
15	0100	0210	2.8	240	0100	0210	2.8	240
16	0200	0310	2.8	240	0200	0310	2.8	240
17	0145	0255	2.8	240	0145	0255	2.8	240
18	0310	0420	2.8	240	0310	0420	2.8	240
19	0230	0340	2.8	240	0230	0340	2.8	240
20	0200	0310	2.8	240	0200	0310	2.8	240
21	0100	0236	2.8	240	0100	0236	2.8	240
22	0200	0352	3.0	280	0200	0352	3.0	280
23	0600	0705	3.0	290	0600	0705	3.0	290
24	0010	0052	3.0	280	0010	0052	3.0	280
25					0001	0101	3.0	280
26					0600	0700	3.0	280
27	1100	1200	3.0	280	1100	1200	3.0	280
28	0530	0630	3.0	280	0530	0630	3.0	280
29	2340	0040	3.0	280	1900	2000	3.0	280
30	1130	1230	3.0	280	1130	1230	3.0	280
31								

NOTE: D-90 Feed is injected into No. 11A & 12A condenser inlets. The actual feed relative to discharge Nos. 481 or 482 is only half the feed rate base on the total flow of each condenser.

Actual analysis - Nov. 12 - 482 - 0.95 ppm Fe
 Nov. 22 - 481 - 0.39 ppm Fe

Fredrick W. Schneider
 Vice-President - Production

H. J. [Signature]
 Signature of Authorized Agent

Date 12/26/78