



**PSEG**

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

Salem Nuclear Generating Station

50-272

October 10, 1978

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 September, 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



7810180144

A007  
S/11

PUBLIC SERVICE ELEC & GAS SALE

80 PARK PLACE

NEWARK

NJ 07101

DELAWARE RIVER  
LOWER ALLOWAYS CREEK

GP 17  
HI 2 I

INSTRUCTIONS

1. Provide dates for period covered by this report in spaces marked "REPORTING PERIOD".
2. 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 large estimating notations. "AVERAGE" is average computed over actual time discharge is operating. "MAXIMUM" and "MINIMUM" are extreme values observed during the reporting period.
3. 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".
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.

0005622  
PERMIT NUMBER

878  
DIS

4931  
SIC

LATITUDE

LONGITUDE

REPORTING PERIOD: FROM

7 | 8 | 0 | 1  
YEAR | MO | DAY

7 | 8 | 09 | 30  
YEAR | MO | DAY

PARAMETER		QUANTITY				UNITS	NO. EX	CONCENTRATION				UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	MINIMUM			AVERAGE	MAXIMUM						
3310 1 3D, 5-DAY, D OEG. C. FFLUENT GROSS	REPORTED	.008	.024	.040	KG/DAY	0	1	3	5	PG/L	0	1/7	GR		
	PERMIT CONDITION	*****	*****	*****		*****	30.	45.				1/30	GR		
3517 1 GLIDS, TOTAL USPENDED FFLUENT GROSS	REPORTED	.042	.046	.050	KG/DAY	0	5.3	5.8	6.3	MG/L	0	2/30	GR		
	PERMIT CONDITION	*****	*****	*****		*****	30.	45.				1/30	24		
1117 1 LOADING SOLIDS	REPORTED	0	0	0	VIS	0	*****	*****	*****		0	5/7	N/A		
	PERMIT CONDITION	0	0	0		*****	*****	*****				EXCP	*		
6650 1 LGH	REPORTED	$6 \times 10^{-4}$	$2.1 \times 10^{-3}$	$1.2 \times 10^{-2}$	HGD	0	*****	*****	*****	HGD	0	30/30	30 Day Comp.		
	PERMIT CONDITION	*****	*****	*****		*****	*****	*****				*	*		
4055 1 GLIFORM-FECAL	REPORTED	*****	*****	*****	N/100NL	0	11	22	33		0	2/30	GR		
	PERMIT CONDITION	*****	*****	*****		*****	200.	400.				1/30	GR		
	REPORTED														
	PERMIT CONDITION														
	REPORTED														
	PERMIT CONDITION														

NAME OF PRINCIPAL EXECUTIVE OFFICER: Schneider, F. W.  
TITLE OF THE OFFICER: V.P. - Production  
DATE: 7 | 8 | 10 | 10  
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 OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: *F. W. Schneider*

DISCHARGE MONITORING REPORT

NO. 158-R0073

PUBLIC SERVICE ELECTRIC & GAS SALE

DELAWARE RIVER  
LOWER ALLOWAYS CREEK  
COOLING WATER

AT MI  
1 2 1

80 PARK PLACE

NEWARK

NJ 07101

INSTRUCTIONS

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2. 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.
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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.

(12-9) NJ ST	(14-10) 0005622 PERMIT NUMBER	(17-10) 481 DIS	4931 SIC	(18-27) LATITUDE	(19-31) LONGITUDE
REPORTING PERIOD: FROM		(20-21) 78 YEAR	(22-23) 0 MO	(24-25) 90 DAY	TO
		(26-27) 78 YEAR	(28-29) 09 MO	(30-31) 30 DAY	

PARAMETER		(3 card only) QUANTITY				UNITS	(4 card only) CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE				
		(12-40) MINIMUM		(14-53) AVERAGE			(15-91) MAXIMUM		(16-53) MINIMUM					(18-91) AVERAGE		(19-91) MAXIMUM	
		MINIMUM	AVERAGE	MAXIMUM	UNITS		MINIMUM	AVERAGE	MAXIMUM	UNITS				MINIMUM	AVERAGE	MAXIMUM	UNITS
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	REPORTED	20.4	24.6	27.9	DEG.C	0	*****	*****	*****	DEG.C	0	Cont.	N/A				
	PERMIT CONDITION	*****	*****	*****		*****	*****	*****	*****		*****	*****	*****	CONT	*		
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT/ GROSS	REPORTED	21.5	32.5	41.4	DEG.C	0	*****	*****	*****	DEG.C	0	Cont.	N/A				
	PERMIT CONDITION	*****	*****	46.00		*****	*****	*****	*****		*****	*****	*****	CONT	*		
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	REPORTED	0	7.9	15.3	DEG C	0	*****	*****	*****	DEG.C	0	Cont.	N/A				
	PERMIT CONDITION	*****	*****	15.30		*****	*****	*****	*****		*****	*****	*****	*	*		
00400 1 PH	REPORTED	7.08	7.48	7.97	SU	0	*****	*****	*****	SU	0	2/7	GR				
	PERMIT CONDITION	6.00	*****	9.00		*****	*****	*****	*****		*****	*****	*****	2/7	GR		
50050 1 FLOW	REPORTED	0	432.9	532.8	MGD	0	*****	*****	*****	MGD	0	Cont.	N/A				
	PERMIT CONDITION	*****	*****	*****		*****	*****	*****	*****		*****	*****	*****	CONT	*		
	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 10 110				
LAST	FIRST	MI	TITLE	YEAR	MO	DAY				

EPA Form 3320-1 (10-72) 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

DISCHARGE MONITORING REPORT

Form Approved  
B NO. 158-R0073

PUBLIC SERVICE ELEC & GAS SALE

DELAWARE RIVER  
LOWER ALLCHAYS CREEK  
COOLING WATER

AT MI  
17 2 I

80 PARK PLACE

NEWARK

NJ 07101

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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7. Remove carbon and retain copy for your records.
8. Fold along dotted lines, staple and mail Original to office specified in permit.

12-9 NJ ST	14-10 0005622 PERMIT NUMBER	117-101 482 DIE	4931 SIC	LATITUDE	LONGITUDE
REPORTING PERIOD: FROM			TO		
78 0 90 1 YEAR MO DAY			78 09 3 0 YEAR MO DAY		

PARAMETER		QUANTITY				UNITS	CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	UNITS		MINIMUM	AVERAGE	MAXIMUM	UNITS			
CC010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	REPORTED	20.0	24.4	28.2		0	***	***	***		0	Cont.	N/A
	PERMIT CONDITION	***	***	***	DEG.C		***	***	***			CONT	*
CC010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	REPORTED	22.2	32.8	41.1		0	***	***	***		0	Cont.	N/A
	PERMIT CONDITION	***	***	46.00	DEG.C		***	***	***			CONT	*
CC016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	REPORTED	0.1	8.4	13.8		0	***	***	***		0	Cont.	N/A
	PERMIT CONDITION	***	***	15.30	DEG C		***	***	***			*	*
CO400 1 PH	REPORTED	7.08	7.48	7.97		0	***	***	***		0	2/7	GR
	PERMIT CONDITION	6.00	***	9.00	SU		***	***	***			2/7	GR
5C050 1 FLCW	REPORTED	0	452.9	532.8		0	***	***	***		0	Cont.	N/A
	PERMIT CONDITION	***	***	***	MGD		***	***	***			CONT	*
	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 10 1 0			
LAST	FIRST	MI	TITLE	YEAR	MO	DAY	

EPA Form 3320-1 (10-72) DIS 482 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 ORIGINAL

DISCHARGE MONITORING REPORT

Form Approved  
EPA NO. 158-R0073

PUBLIC SERVICE ELEC & GAS SALE

80 PARK PLACE

NEWARK

NJ 07101

DELAWARE RIVER  
LOWER ALLOWAYS CREEK  
COOLING WATER

AT MI  
17 2 1

INSTRUCTIONS

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(12-3) NJ ST

(14-16) 0005622 PERMIT NUMBER

(117-101) 483 DIS

4931 SIC

LATITUDE LONGITUDE

REPORTING PERIOD: FROM 78 09 01 YEAR MO DAY

TO 7 18 09 30 YEAR MO DAY

PARAMETER		QUANTITY				UNITS	NO. EX	CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	MINIMUM			AVERAGE	MAXIMUM					
C0010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	REPORTED	19.9	24.5	27.9	DEG. C	0	*****	*****	*****	DEG. C	0	Cont.	N/A	
	PERMIT CONDITION	*****	*****	*****			*****	*****	*****					
C0010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	REPORTED	22.1	33.1	41.7	DEG. C	0	*****	*****	*****	DEG. C	0	Cont.	N/A	
	PERMIT CONDITION	*****	*****	46.00			*****	*****	*****					
C0016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	REPORTED	0.2	8.8	14.7	DEG. C	0	*****	*****	*****	DEG. C	0	Cont.	N/A	
	PERMIT CONDITION	*****	*****	15.30			*****	*****	*****					
C0400 1 PH	REPORTED	7.08	7.48	7.97	SU	0	*****	*****	*****	SU	0	2/7	GR	
	PERMIT CONDITION	6.00	*****	9.00			*****	*****	*****					
5C050 1 FLOW	REPORTED	0	410.7	532.8	MGD	0	*****	*****	*****	MGD	0	Cont.	N/A	
	PERMIT CONDITION	*****	*****	*****			*****	*****	*****					
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER: Schneider, F. W. TITLE OF THE OFFICER: V. P. - Production DATE: 7 18 10 10

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*

DISCHARGE MONITORING REPORT

Form Approved  
MB NO. 158-R0073

PUBLIC SERVICE ELEC & GAS SALE

DELAWARE RIVER  
LOWER ALLWAYS CREEK  
COOLING WATER

REPORT AT MI  
17 2 1

80 PARK PLACE

NEWARK

NJ 07101

INSTRUCTIONS

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12-2 NJ ST	14-101 0005622 PERMIT NUMBER	117-101 484 DIS	4931 SIC	LATITUDE	LONGITUDE
REPORTING PERIOD: FROM		78 09 01 YEAR MO DAY	TO	78 09 30 YEAR MO DAY	

PARAMETER		QUANTITY				UNITS	NO. EX	CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	MINIMUM			AVERAGE	MAXIMUM					
00010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	REPORTED					DEG. C		*	*	*	*	DEG. C		
	PERMIT CONDITION	*	*	*	*			*	*	*	*			
00010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	REPORTED					DEG. C		*	*	*	*	DEG. C		
	PERMIT CONDITION	*	*	*	*			46.00	*	*	*			
00016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	REPORTED					DEG. C		*	*	*	*			
	PERMIT CONDITION	*	*	*	*			15.30	*	*	*			
00400 1 PH	REPORTED					SU		*	*	*	*			
	PERMIT CONDITION	6.00	*	*	*			9.00	*	*	*			
50050 1 FLOW	REPORTED					MGD		*	*	*	*	MGD		
	PERMIT CONDITION	*	*	*	*			*	*	*	*			
	REPORTED	NO DISCHARGE OCCURRED DURING THIS REPORT PERIOD.												
	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 10 10		

EPA Form 3320-1 (10-72) DIS 484 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

DISCHARGE MONITORING REPORT

Form Approved  
IB NO. 158-R0073

PUBLIC SERVICE ELEC & GAS SALE  
80 PARK PLACE  
NEWARK  
NJ 07101

DELAWARE RIVER  
LOWER ALLOWAYS CREEK  
COOLING WATER

DATE  
17 2 1

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.

13-2 NJ ST	14-10 0005622 PERMIT NUMBER	117-101 485 DIS	1931 SIC	LATITUDE	LONGITUDE
REPORTING PERIOD: FROM		120-211 120-212 120-213 7 8 0 19 0 1 YEAR MO DAY	TO	120-271 120-281 120-291 7 8 0 9 3 10 YEAR MO DAY	

PARAMETER		(3 card only)				UNITS	NO. EX	(4 card only)			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		QUANTITY			CONCENTRATION										
		120-40	140-22	150-21				120-40	140-22	150-21					
		MINIMUM	AVERAGE	MAXIMUM				MINIMUM	AVERAGE	MAXIMUM					
C0010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	REPORTED				DEG. C		*	*	*	*	DEG. C				
	PERMIT CONDITION	* * * *	* * * *	* * * *			* * * *	* * * *	* * * *			CONT	*		
C0010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	REPORTED				DEG. C		*	*	*	*	DEG. C				
	PERMIT CONDITION	* * * *	* * * *	46.00			* * * *	* * * *	* * * *			CONT	*		
C0016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	REPORTED				DEG C		*	*	*	*					
	PERMIT CONDITION	* * * *	* * * *	15.30			* * * *	* * * *	* * * *				*		
C0400 1 PH EFFLUENT GROSS	REPORTED				SU		*	*	*	*					
	PERMIT CONDITION	6.00	* * * *	9.00			* * * *	* * * *	* * * *			2/7	GR		
5C050 1 FLOW EFFLUENT GROSS	REPORTED				MGD		*	*	*	*	MGD				
	PERMIT CONDITION	* * * *	* * * *	* * * *			* * * *	* * * *	* * * *			CONT	*		
	REPORTED														
	PERMIT CONDITION														
	REPORTED	NO DISCHARGE OCCURRED DURING THIS REPORT PERIOD.													
	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 1 01 10										
LAST	FIRST	MI	TITLE			YEAR	MO	DAY							

EPA Form 3220-1 (10-72) DIS 485 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

DISCHARGE MONITORING REPORT

Approved  
4B NO. 158-R0073

PUBLIC SERVICE ELEC & GAS SALE  
80 PARK PLACE  
NEWARK  
NJ 07101

DELAWARE RIVER  
LOWER ALLOWAYS CREEK  
COOLING WATER

P AT MI  
17 2 1

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13-2 NJ ST	14-10 0005622 PERMIT NUMBER	117-10 486 DIS	4931 SIC	LATITUDE	LONGITUDE
120-211 (22-23) (24-25) REPORTING PERIOD: FROM			120-271 (28-29) (30-31) TO		
7   80   9   01 YEAR NO DAY			78   0   9   30 YEAR MO DAY		

PARAMETER		QUANTITY				UNITS	CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	UNITS		MINIMUM	AVERAGE	MAXIMUM	UNITS			
CC010 2 TEMPERATURE, WATER DEG. CENTIGRADE INFLUENT	REPORTED					DEG.C	*	*	*	*			
	PERMIT CONDITION	*	*	*	*							CONT	*
CC010 1 TEMPERATURE, WATER DEG. CENTIGRADE EFFLUENT GROSS	REPORTED					DEG.C	*	*	*	*			
	PERMIT CONDITION	*	*	*	*	46.00						CONT	*
CC016 4 TEMPERATURE DIFFERENCE EFFLUENT NET	REPORTED					DEG C	*	*	*	*			
	PERMIT CONDITION	*	*	*	*	15.30						*	*
C0400 1 PH EFFLUENT GROSS	REPORTED					SU	*	*	*	*			
	PERMIT CONDITION	6.00	*	*	*	9.00						2/7	GR
5C050 1 FLCW EFFLUENT GROSS	REPORTED					MGD	*	*	*	*			
	PERMIT CONDITION	*	*	*	*							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   81   0   10			
LAST	FIRST	MI	TITLE	YEAR	MO	DAY	

EPA Form 3320-1 (10-72) DIS 486 IS CONDENSER COOLING WATER. WHEN INTK PH LESS THAN 6.0, DIS PH NOT TO BE LESS. WHEN INTK PH GREAT PAGE OF ORIGINAL



PUBLIC SERVICE ELEC & GAS SALES  
80 PARK PLACE  
NEWARK  
NJ 07101

DELAWARE RIVER  
LOWER ALLOWAYS CREEK  
COOLING WATER

AT HI  
17 2 1

INSTRUCTIONS

1. Provide dates for period covered by this report in spaces marked "REPORTING PERIOD".
2. 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.
3. 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".
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.

12-38 NJ ST	14-10 0005622 PERMIT NUMBER	F	117-101 FAC DIS	4931 SIC	LATITUDE	LONGITUDE
REPORTING PERIOD: FROM			120-311 122-28 124-28 78 0 90 1 YEAR NO DAY	TO	120-37 122-28 124-31 78 09 31 0 YEAR NO DAY	

PARAMETER		(3 card only) QUANTITY				UNITS	NO. EX	(4 card only) CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	NO. EX			MINIMUM	AVERAGE	MAXIMUM				
00017 4 HEAT MILLIONS OF BTU'S PER DAY HR EFFLUENT NET	REPORTED	0	10800	13300	MBTUHR STUDY	0	*	*	*	*	MKCLDY	0	Calc.	N/A
	PERMIT CONDITION	*	*	*			*	*	*	*				
50050 1 FLOW EFFLUENT GROSS	REPORTED	0	432.2	1598.4	MGD	0	*	*	*	*	MGD	0	Calc.	N/A
	PERMIT CONDITION	*	*	*			*	*	*	*				
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER <b>Schneider, F. W.</b>			TITLE OF THE OFFICER <b>V. P. - Production</b>			DATE <b>78 10 10</b>			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 <i>F. W. Schneider</i>	
LAST	FIRST	MI	TITLE	YEAR	NO	DAY								

EPA Form 3320-1 (10-72) DIS IS TOTAL OF DISCHARGES 481,482,483,484,485,486. FLOW HEAS CONT FOR ALL CONT DISCH, FOR INTERMITTENT PAGE OF T DIS FLOW HEAS AT FREQ OF MOST FREQ SAMP PARAMETER. ORIGINAL

Public Service Electric & Gas Company  
 Salem Generating Station  
 NPDES Discharge Monitoring Report - September, 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 Pound	Start	Finish	PPM	Total Pound
1								
2					1300	1354	5	480
3								
4	1000	1053	5	480	1130	1225	5	480
5	1330	1430	5	480	1030	1130	5	480
6								
7								
8					1410	1508	5	480
9	1945	2053	5	480	1000	1102	5	480
10	1445	1553	5	480	1015	1125	5	480
11	1115	1220	5	480	1500	1600	5	480
12	1300	1409	5	480				
13	0930	1041	5	480	1300	1420	5	480
14	1000	1111	5	480	1500	1610	5	480
15	1700	1823	5	480	1300	1410	5	480
16	1000	1128	5	480	1330	1506	5	480
17	1300	1359	5	480	1000	1116	5	480
18	1300	1354	3	280	1300	1354	3	280
19	1300	1344	3	280	1300	1344	3	280
20	1000	1046	3	280	1000	1046	3	280
21	1000	1045	3	280	1000	1045	3	280
22	1400	1456	3	280	1400	1456	3	280
23								
24								
25								
26	1400	1456	3	280	1400	1456	3	280
27	1300	1411	2.5	240	2000	2118	2.5	240
28	1030	1143	3	280	1030	1143	3	280
29	1430	1542	3	280	1430	1542	3	280
30	1700	1806	3	280	1700	1806	3	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.

Fredrick W. Schneider  
 Vice-President - Production

*H. J. Repidum*  
 Signature of Authorized Agent

17.5.18.R1

Date 10/10/78



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

Salem Nuclear Generating Station

October 10, 1978

Director, Division of Water Resources  
N.J. Department of Environmental Protection  
P. O. Box 2809  
Trenton, New Jersey 08625

Attention: Delaware Basin

Dear Sir:

Attached is the Wastewater Treatment Report for the  
month of September, 1978 for the Sewage Treatment Plant  
at the Salem Generating Station.

Very truly yours,

H. J. Midura  
Manager - Salem Generating Station

LKM:jcm  
16.5.18.R1



7810180128

A007  
S/11

NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WATER RESOURCES
BUREAU OF WATER POLLUTION CONTROL
WASTEWATER TREATMENT REPORT

DELAWARE

County: Salem
Municipality: Lower Alloways Creek
Township

Name of Utility: PSE&G-Salem Generating Station

Design Flow: 12,500 GPD
Plant Phone: (609) 365-7000
Month SEPTEMBER 1978

Table with 32 columns (days 1-31 + Avg.) and multiple rows for various water quality parameters including flow, chlorine, solids, and B.O.D.

Not every instance of temporary bypassing of any units or interruption of disinfection and reason.

Dates when outfall was dye tested and results

Remarks: Plant not equipped with totalizing meter-effluent flow based on best estimate available.

Table for Number of Connections and flow at end of month, categorized by Residential, Apartments, Commercial, and Industrial.

Licensed Operator: K. L. Homan Grade: S-2
Registry Number: S-3697

I hereby certify the above to be correct to the best of my knowledge.
Signed: [Signature] Title: [Title]

This report is to be forwarded on or before the 10th of the month following that for which the report is made out, to the NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION, Bureau of Water Pollution Control, P.O. Box 1390, Trenton, NJ 0862