



PSEG

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

Salem Nuclear Generating Station

August 10, 1979

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

Attention: Delaware Basin

REGULATORY DOCKET FILE COPY

Dear Sir:

Attached is the Wastewater Treatment Report for the
month of July, 1979 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



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S/11

WP-5
10-71

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

Design Flow: 12,500 GPD
Plant Phone: (609) 365-7000
Month: JULY 1979

Name of Utility: PSE&G-Salem Generating Station

1250116062

Day of the month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Avg.
Receiving Watercourse	7776 typical value based on drainage area and average rainfall																															
Upstream from Effluent MGD	7776 typical value based on drainage area and average rainfall																															
Plant Effluent Flow for 24-hr Period 1000 G/D	.6	.6	4.8	3.6	3.6	.6	6.2	.6	6.2	1.7	3.6	.6	3.6	1.7	.6	1.7	3.6	1.7	1.7	3.6	.6	1.7	6.2	.6	3.6	.6	.6	.6	3.6	3.6	1.7	2.4
Plant Effluent Flow Maximum Rate 1000 G/D	.6	3.6	26.9	20.2	20.2	3.6	35.3	3.6	35.3	9.8	20.2	3.6	20.2	9.8	3.6	9.8	20.2	9.8	9.8	20.2	3.6	9.8	35.3	.6	20.2	3.6	.6	3.6	20.2	20.2	9.8	13.3
Chlorine Residual mg/l	immediate	1.5	.8		.3	.8			.3	.4	.1	.3	.2				.2	1.0	.4	.3			.2	.2	.1	.1	.2					
	developed	2.0	1.5		1.0	1.2			.6	.5	.6	1.0	.8				.5	1.3	1.0	1.1			.5	.5	.5	.5	1.0					
Sludge Removed from Plant (Gals., lbs., ft ³)				HOLIDAY																									1500	1500		
Settleable Solids Final Effluent mg/l		<.1	<.1		<.1	<.1			<.1	<.1	<.1	<.1	<.1			<.1	<.1	<.1	<.1	<.1			<.1	<.1	<.1	<.1	<.1					
Suspended Solids Final Effluent mg/l					4.9						15.6								10.6						7.8							
B.O.D. Final Effluent mg/l			10							5							24								7							
Other Laboratory Tests Performed	Diss. O ₂	4.0	2.4		1.4	1.5				1.6	1.6	1.7	2.5	2.0		1.7	1.6	2.2	1.2	1.5			*	*	.9	1.0	.7					
	COD		13								39						41								18							
	Fecal Coliform		0								0						0															
Hrs. Attended at Plant	pH	7.3	7.3		7.1	7.2				7.1	7.1	7.3	7.4	7.3		7.2	7.2	7.3	7.4	7.4				7.4	7.3	7.5	7.4	7.5				
	Temp. (°C)	25	25		25	25				25	25	25	25	25		25	25	25	25	25				25	25	25	25	25				
Lic. Op.			2					2																3	2				2		2	
	Other	8	8		8	8				8	8	8	8	8		8	8	8	8	8				8	8	8	8	8				

Note every instance of temporary bypassing of any units or interruption of disinfection and reason.

* Dissolved O₂ meter out of service. Note: Effluent tank was Empty during sampling time 7/30+7/31

Dates when outfall was dye tested and results

Remarks:

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

Number of Connections and flow at end of month	Residential _____
	Apartments _____
	Commercial _____
	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: SUPV IN CHARGE

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 08625