



**PSEG**

REGULATORY DOCKET FILE COPY

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

Salem Nuclear Generating Station

July 10, 1978

1978 JUL 21 AM 10 05  
DIST. DIVISION  
SERVICES UNIT

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 June 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



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A007  
7/11

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: JUNE 1978

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																																	
Upstream from Effluent MGD		7776 typical value based on drainage area and average rainfall																															
Plant Effluent Flow for 24-hr Period 1000 G/D		9.8	2.6	2.6	2.6	2.6	1.7	2.6	2.6	9.8	2.6	2.6	9.8	2.6	2.6	9.8	1.7	9.8	2.6	9.8	1.7	2.6	1.7	1.7	1.7	2.6	2.6	1.7	1.7	1.7	—	3.8	
Plant Effluent Flow Maximum Rate 1000 G/D		20.2	9.8	9.8	9.8	9.8	3.6	9.8	9.8	20.2	9.8	9.8	9.8	20.2	9.8	9.8	20.2	3.6	20.2	9.8	20.2	3.6	9.8	3.6	3.6	3.6	9.8	9.8	3.6	3.6	3.6	—	10.0
Chlorine	immediate	1.1	1.3			.2	.4	.3	1.5	.5			0	.6	.4	.1	.4			.3	.3	.3	.3	.9			.3	.4	.3	.3	1.1	—	
	developed	2.9	2.4			2.0	2.0	1.5	2.0	1.2			.4	1.2	.9	.9	1.4			1.2	1.2	1.2	.9	2.4			1.2	1.1	.9	.9	2.5	—	
Sludge Removed from Plant (Gals., lbs., ft <sup>3</sup> )																																	
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	<.1	<.1	<.1	<.1	—	
Suspended Solids																																	
Final Effluent mg/l						57								27							54						2.4					—	
B.O.D. Final Effluent mg/l						5								4							2						<1					—	
Other Laboratory Tests Performed	Diss. O <sub>2</sub>	1.5	1.3			1.9	2.4	1.7	2.8	2.0			3.6	3.3	2.5	1.8	2.1			1.8	2.6	2.4	2.1	2.8		2.1	2.5	1.8	1.8	2.4	—		
	COD					3.7							80								3.7					2.7						—	
	Fecal Coliform					<2							22								5						16					—	
	pH	6.9	7.1			6.9	6.8	6.9	7.2	7.0			6.9	6.8	6.9	6.5	6.9			6.7	6.5	5.7	6.7	6.5		6.5	6.6	6.5	6.5	6.5	—		
	Temp. (°C)	24	24			23	21	22	23	24			24	22	20	21	25			24	25	25	25	25			25	25	25	25	25	—	
Hrs. Attend. at Plant	Lic. Op.					3									3			2								2						2	
	Other	8	8			8	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.

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: <u>Kenneth L. Homan</u>					Title: <u>SUPV IN CHARGE</u>	

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