



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

May 10, 1979

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 April, 1979 for the Sewage Treatment Plant  
at the Salem Generating Station.

Very truly yours,

A handwritten signature in cursive script that reads "H. J. Midura".

H. J. Midura  
Manager - Salem Generating Station

LKM:jcm  
16.5.18.R1

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5 1/1

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

Name of Utility: PSE&G-Salem Generating Station

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

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	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.7	1.7	3.6	3.6	3.6	3.6	3.6	3.6	1.7	1.6	1.6	1.7	1.6	1.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	2.0																																																																						
Plant Effluent Flow Maximum Rate 1000 G/D	9.8	9.8	9.8	9.8	9.8	6.9	9.8	9.8	9.8	20.2	20.2	20.2	20.2	20.2	20.2	9.8	6.6	6.6	3.6	9.8	3.6	9.8	20.2	6.6	3.6	3.6	3.6	3.6	3.6	20.2	10.8																																																																							
Chlorine Residual mg/l	immediate		developed																																																																																																			
Sludge Removed from Plant (Gals., lbs., ft <sup>3</sup> )	15.0																																																																																																					
Settleable Solids																																																																																																						
Final Effluent mg/l	5.1	5.1	5.1	5.1	5.1						5.1	5.1	5.1	5.1	5.1						5.1	5.1	5.1	5.1	5.1						5.1																																																																							
Suspended Solids																																																																																																						
Final Effluent mg/l	27.2																																		28.9																																		24.4																																	
B.O.D. Final Effluent mg/l																																																																																																						
Other Laboratory Tests Performed	Diss. O <sub>2</sub>	2.0	2.6	2.8	2.2	2.8						3.0	2.6	2.5	2.5	2.4						2.4	2.4	3.0	3.0	3.0						2.5	2.8	3.2	5.2	4.2	3.6																																																																	
	COD																																																																																																					
	Fecal Coliform																																																																																																					
	pH	6.7	6.7	7.2	7.1	7.0						7.5	7.3	7.2	7.1	7.1						6.5	6.5	6.9	6.9	7.1						6.9	7.1	7.4	7.4	7.1	7.0																																																																	
Temp. (°C)	25	25	25	25	25						25	25	25	25	25						25	25	25	25	25						25	25	25	25	25	25																																																																		
Hrs. Attend at Plant	Lic. Op.		Other																																																																																																			
										2		1		1							3			2							1		2							8																																																														

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

~~7-905300421~~

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 _____
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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: Supt. 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