



PSEG

REGULATORY DOCKET FILE COPY

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

Salem Nuclear Generating Station

August 7, 1978

US NRC  
DISTRIBUTION SERVICES  
BRANCH

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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 July, 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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5/11

WP-5  
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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 July 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	7776 typical value based on drainage area and average rainfall																															
Upstream from Effluent MGD																																
Plant Effluent Flow for 24-hr Period 1000 G/D	2.6	.6	9.8	9.8	2.6	2.6	2.6	2.6	.6	2.6	1.7	9.8	1.7	1.7	2.6	.6	2.6	2.6	2.6	2.6	1.7	9.8	.6	.6	9.8	.6	9.8	2.6	9.8	1.7	2.6	3.7
Plant Effluent Flow Maximum Rate 1000 G/D	9.8	.6	20.2	20.2	9.8	9.8	9.8	9.8	.6	9.8	3.6	20.2	3.6	3.6	9.8	.6	9.8	9.8	9.8	9.8	3.6	20.2	.6	1.7	20.2	.6	20.2	9.8	20.2	3.6	9.8	9.4
Chlorine immediate					.2	1.2	.2			.3	.1	.4	.3	.2			.2	.2	.2	.3	.2			.3	.3	.5	.6	.6			.1	
Residual mg/l developed					.5	2.6	.4			.5	.3	1.2	.9	.4			.7	1.4	1.2	1.6	1.7			2.0	1.3	3.5	2.0	2.3			.3	
Sludge Removed from Plant (Gals., lbs., ft <sup>3</sup> )																																
Settleable Solids																																
Final Effluent mg/l					4.1	4.1	4.1			4.1	4.1	4.1	4.1	4.1			4.1	4.1	4.1	4.1	4.1			4.1	4.1	4.1	4.1	4.1			4.1	
Suspended Solids																																
Final Effluent mg/l					13.3						5.0									18.9					3.2							
B.O.D. Final																																
Effluent mg/l					1						2									1					3							
Other Laboratory Tests Performed	Diss. O <sub>2</sub>				3.0	3.6	4.1			1.6	4.3	2.1	3.2	1.6			2.3	2.2	2.2	2.2	2.5			2.1	2.0	2.1	2.1	2.5			3.0	
	COD				9.8						27								60					18								
	Fecal Coliform				42														33					42								
	pH				6.6	6.4	6.5			6.3	6.4	6.6	6.5	6.2			6.6	6.5	6.5	6.2	6.3			6.6	7.0	6.5	6.5	7.3			6.1	
	Temp. (°C)				25	25	25			25	25	25	25	25			25	25	25	25	25			25	25	25	25	25			25	
Hrs. Attend.	Lic. Op.									4							2			2						3				2		
at Plant	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.

Dates when outfall was dye tested and results

Remarks:

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

Number of	Residential	_____
Connections	Apartments	_____
and flow at	Commercial	_____
end of month	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