

WP-5  
10-71

1050116062

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 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	.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	immediate	1.5	.8		.3	.8			.3	.4	.1	.3	.2			.2	1.0	.4	.3			.2	.2	.1	.1	.2							
	Residual mg/l 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 <sup>3</sup> )				N O L I D E Y																									150	150			
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													
B.O.D. Final Effluent mg/l			10								5						24								7								
Other Laboratory Tests Performed	Diss. O <sub>2</sub>	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								
Hrs. Attend at Plant	Fecal Coliform		0								0						0																
	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)	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	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 O<sub>2</sub> 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 Residential 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