

Lehigh County Authority

System Operations Review - August 2023

Presented: N/A

<u>Critical Activities</u>	<u>System</u>	<u>Description</u>	<u>Aug-23</u>	<u>2023 Totals</u>	<u>2022 Totals</u>	<u>Permit</u>
			<u>Daily Avg (MGD)</u>	<u>Daily Avg (MGD)</u>	<u>Daily Avg (MGD)</u>	<u>Daily Max (MGD)</u>
Water Production	Allentown	Total	22.86	22.69	22.47	39.0
		Schantz Spring	7.01	7.10	6.90	9.0
		Crystal Spring	3.89	3.88	3.87	4.0
		Little Lehigh Creek	11.95	11.67	11.68	30.0
		Lehigh River	0.00	0.03	0.03	28.0
	Central Lehigh	Total	12.49	11.48	11.30	19.04 MGD Avg
		Feed from Allentown	7.42	7.38	7.20	7.0 MGD Avg 10.5 MGD Max
		Well Production (CLD)	5.07	4.09	4.10	8.54 MGD Avg
		Sum of all (12) other Suburban Water Systems	0.14	0.13	0.14	1.71 Sum of all wells
Wastewater Treatment		Kline's Island	31.79	31.77	32.61	40.0
		Pretreatment Plant	5.07	4.84	5.06	5.75 (design capacity)
		Sum of all (5) other Suburban WW Systems	0.19	0.18	0.20	0.36
			<u>Aug-23</u>	<u>2023 Totals</u>	<u>2022 Totals</u>	<u>2021 Totals</u>
Precipitation Totals (inches)			4.78	29.17	46.47	44.67
Compliance Reports Submitted to Allentown			19	203	277	280
Notices of Violation (NOVs)		(Allentown + Suburban)	0	0	4	3
Sanitary Sewer Overflows (SSOs)/Bypasses		(Allentown + Suburban)	0	9	18	26
Main Breaks Repaired		Allentown	1	4	34	20
		Suburban	1	6	15	14
Customer Service Phone Inquiries		(Allentown + Suburban)	1154	7444	10,539	15,857
Water Shutoffs for Non-Payment		(Allentown + Suburban)	164	1343	1,975	1,773
Injury Accidents		(Allentown + Suburban)	3	13	7	8
Emergency Declarations		Allentown	2	2	(3) @ \$386,225.43	0
		Suburban	0	0	(4) @ \$933,077.1	(1) @ \$48,000

Significant Repairs/Upgrades:

Two Emergency Declarations were presented to the Board on 9/18/2023. The total estimated cost for both events is \$612,904, but actual costs will be updated as costs are incurred.

Description of Non-Compliance Events:

A boil water advisory was issued for 79 customers in the Emmaus Consecutive Division due to a main break within the Emmaus system. The notice was issued on 8/25/23 and lifted on 8/27/2023. A boil water advisory was issued for 1 customer in the Allentown Division due to a main break at the intersection of Union Blvd and Dolphine St. The notice was issued on 8/26/23 and lifted on 8/29/23.

Other:

Three injuries were reported in August. One incident was recorded when two employees were sprayed in the face with wastewater when a clogged sample line let loose. A second incident involved an employee being shocked from an electrical current during a service line repair. Corrective measures are being taken for both incidents, which include updating SOPs and retraining employees.

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Wastewater Compliance	Allentown	Bypass	0	1	2
		Bypass Volume	0	1,595	369,704
		Permit Exceedances	0	0	1
		Sanitary Sewer Overflows	0	1	3
		COA Issued NOVs	0	0	1
		Regulatory Agency issued NOVs	0	0	0
	Arcadia	Bypass	0	0	0
		Bypass Volume	0	0	0
		Permit Exceedances	2	2	7
		Sanitary Sewer Overflows	0	0	0
		NOVs	0	0	0
	Heidelberg Heights	Bypass	0	5	8
		Bypass Volume	0	475,882	1,392,261
		Permit Exceedances	0	11	16
		Sanitary Sewer Overflows	0	0	0
		NOVs	0	0	0
	Lynn	Bypass	0	0	2
		Bypass Volume	0	0	472,000
		Permit Exceedances	0	0	7
		Sanitary Sewer Overflows	0	0	1
		NOVs	0	0	0
	Sand Spring	Bypass	0	0	0
		Bypass Volume	0	0	0
		Permit Exceedances	3	28	77
		Sanitary Sewer Overflows	0	0	0
		NOVs	0	0	1
	Wynnewood	Bypass	0	0	0
		Bypass Volume	0	0	0
		Permit Exceedances	0	3	4
		Sanitary Sewer Overflows	0	2	0
NOVs		0	0	0	
Water Compliance	Allentown	Boil Water Advisories	1	2	1
	Central Lehigh	Boil Water Advisories	0	0	2
	Suburban Water Systems	Boil Water Advisories	1	2	4