



Operations Services Inc.
10281 Old US 27 South
Gaylord, MI 49735
866.737.8361

www.operationservices.com

Monthly Client Report for Higgins Lake Utilities Authority September 2023

To provide the Higgins Lake Utilities Authority with a summary of our activities for the month, Operations Services has prepared this report for your use. We welcome any suggestions to improve the information contained in these reports. Please contact us if you believe this report contains errors, or if you have any questions about it.

The Authority maintained compliance with all regulated parameters for the previous month.

FLOW AND UTILITY STATISTICS

Parameters	2022	2023	Difference
1st-7th Flow	158,800	150,897	+5,098
8th-14th Flow	67,848	65,896	+3,082
15th-21st Flow	70,899	66,697	-24,651
22nd-31st Flow	82,148	86,864	+691
Minimum Weekly Flow	67,848	65,896	-8,970
Maximum Weekly Flow	158,800	150,897	-800
Monthly Influent Total	379,695	370,354	-15,750

2023 IRRIGATION PERFORMANCE

Parameters	Influent	Effluent	Difference
2022 Year to Date Totals	2,896,653	2,807,412	-89,241
2023 Year to Date Totals	2,925,426	3,084,053	+158,627
September Totals	369,956	945,265	+575,309

MONITOR WELL STATUS

- Q3 Annual samples were collected in August (including the damaged well).

MONTHLY E-ONE ACTIVITY SUMMARY

7 E-One service requests for the month:

- 11038 W Higgins Lake
- 108 Lincoln Park
- 10855 Military
- 1285 Shores Dr (Post Rep.)
- 120 Lincoln Park (Post Rep.)
- 110 Bay City (Post Rep.)
- 11990 Military

0 Miss Dig Service Requests

STRATEGIC PLANNING

- Discharge permit renewal was preliminarily accepted.

OPERATIONS & MAINTENANCE

- Station risers have shipped
- Control panel post replacement program ongoing
- Routine facility inspections completed.

CUMMINS BACK UP GENERATOR

- Monthly and weekly inspection and maintenance completed.

CONSIDERATIONS

- Field 1 was cut and reseeded with same crop. Need to plan for what gets planted in the spring.
- Damaged monitor well still needs to be addressed.

OTHER NOTEWORTHY EVENTS OR ACTIVITIES

- Fence repairs are ongoing.

If you have any questions regarding this report, please feel free to contact Operations Services at 866.737.8361

Operations Services, Inc.



Phillip Corkins II
Project Manager / 989-619-9196

Higgins Lake Utility Authority
11371 Legion Camp Rd.
Roscommon, MI 48653



September 2023

Wastewater Treatment Plant							Land Application	
D A Y	Influent	Effluent	Effluent Pumps				Field	Field
	Flow Meter	Flow Meter	Pump #1	Pump #2	Pump #3	Total	inches/day	inches/wk
	Gallons	Gallons	Hours	Hours	Hours	Hours	applied	applied
9/1	30,449	77,542	1.00	1.00	1.00	3.00	0.190	
9/2	30,449					-	0.000	
9/3	30,449					-	0.000	
9/4	30,449					-	0.000	
9/5	9,701	76,695	1.00	1.00	1.00	3.00	0.188	
9/6	9,701	79,480	1.00	1.00	1.00	3.00	0.195	
9/7	9,701					-	0.000	0.574
9/8	10,966	78,384	1.00	1.00	1.00	3.00	0.192	
9/9	10,966					-	0.000	
9/10	10,966					-	0.000	
9/11	7,200	78,751	1.00	1.00	1.00	3.00	0.193	
9/12	7,200					-	0.000	
9/13	9,299	78,731	1.00	1.00	1.00	3.00	0.193	
9/14	9,299					-	0.000	0.579
9/15	10,433	78,562	1.00	1.00	1.00	3.00	0.193	
9/16	10,433					-	0.000	
9/17	10,433					-	0.000	
9/18	8,700					-	0.000	
9/19	8,700					-	0.000	
9/20	8,799	77,764	1.00	1.00	1.00	3.00	0.191	
9/21	8,799					-	0.000	0.384
9/22	11,466	78,539	1.00	1.00	1.00	3.00	0.193	
9/23	11,466					-	0.000	
9/24	11,466					-	0.000	
9/25	6,800	79,541	1.00	1.00	1.00	3.00	0.195	
9/26	6,800					-	0.000	
9/27	7,400	81,055	1.00	1.00	1.00	3.00	0.199	
9/28	7,400					-	0.000	0.587
9/29	12,033	80,221	1.00	1.00	1.00	3.00	0.197	
9/30	12,033					-	0.000	
Total	369,956	945,265	12.0	12.0	12.0	36.00	2.321	2.124
Maximum	30,449	81,055	1.0	1.0	1.0	3.00	0.199	0.587
Minimum	6,800	76,695	1.0	1.0	1.0	-	0.000	0.384
Average	12,332	78,772	1.0	1.0	1.0	1.20	0.077	0.531