



**Operations Services Inc.**  
10281 Old US 27 South  
Gaylord, MI 49735  
866.737.8361  
[www.operationsservices.com](http://www.operationsservices.com)

## Monthly Client Report for Higgins Lake Utilities Authority September 2022

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	2021	2022	Difference
1st-7th Flow	163,000	158,800	-4,200
8th-14th Flow	84,100	67,848	-16,252
15th-21st Flow	84,500	70,899	-10,652
22nd-31st Flow	92,800	82,148	-22,003
Minimum Weekly Flow	84,100	67,848	-16,252
Maximum Weekly Flow	163,000	158,800	-4,200
Monthly Influent Total	424,400	379,695	-44,705

### **2022 IRRIGATION PERFORMANCE**

Parameters	Influent	Effluent	Difference
2021 Year to Date Totals	3,110,850	2,213,276	-1,218,296
2022 Year to Date Totals	2,896,653	2,807,412	-89,241
September Totals	379,695	860,378	+480,693

### **MONITOR WELL STATUS**

- Q4 samples will be collected in November.

---

## **MONTHLY E-ONE ACTIVITY SUMMARY**

- Operations Services received 2 E-One service requests for the month.
- 221 Saginaw / Intermittent Alarm / DH341410
- 104 Saginaw / Intermittent Alarm / NA
- 3 Miss Dig Service Requests

## **STRATEGIC PLANNING**

- Influent lift station maintenance in the fall to include solids/grit removal.
- Annual Influent & Effluent meters scheduled for calibration in October.

## **OPERATIONS & MAINTENANCE**

- Cell's 1 & 2 crossover piping continues to perform well concerning solids infiltration post work.
- Ongoing grounds maintenance.
- Routine facility inspections completed.
- Sprinkler head performance has improved.

## **CUMMINS BACK UP GENERATOR**

- Monthly and weekly inspection and maintenance completed.
- Added Anti-freeze due to slightly low level.

## **CONSIDERATIONS**

- Field 1 was tilled and reseeded. Will follow up with farmer on details.

## **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 2022

D A Y	Wastewater Treatment Plant						Land Application	
	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	13,800	46,093	1.01	1.03	0.00	2.04	0.113	
9/2	30,325	45,332	0.99	0.95	0.00	1.94	0.111	
9/3	30,325					-	0.000	
9/4	30,325					-	0.000	
9/5	30,325					-	0.000	
9/6	11,850	71,749	1.01	1.01	1.01	3.03	0.176	
9/7	11,850					-	0.000	0.401
9/8	6,100	83,364	1.16	1.19	1.23	3.58	0.205	
9/9	11,466					-	0.000	
9/10	11,466	72,408	1.02	1.03	1.02	3.07	0.178	
9/11	11,466					-	0.000	
9/12	8,500					-	0.000	
9/13	8,500					-	0.000	
9/14	10,350	70,482	0.99	0.99	0.99	2.97	0.173	0.555
9/15	10,350	73,712	1.06	1.01	1.08	3.15	0.181	
9/16	11,833	68,863	1.01	1.00	0.99	3.00	0.169	
9/17	11,833					-	0.000	
9/18	11,833					-	0.000	
9/19	8,400	67,489	0.99	1.00	0.99	2.98	0.166	
9/20	8,400					-	0.000	
9/21	8,250	68,373	1.02	1.01	1.02	3.05	0.168	0.684
9/22	8,250					-	0.000	
9/23	11,000	64,754	1.01	1.02	1.01	3.04	0.159	
9/24	11,000					-	0.000	
9/25	11,000					-	0.000	
9/26	7,650	63,638	1.00	1.00	1.00	3.00	0.156	
9/27	7,650					-	0.000	
9/28	7,849					-	0.000	0.315
9/29	7,849					-	0.000	
9/30	9,900	64,121	1.05	1.05	1.06	3.16	0.157	
						-	0.000	0.157
Total	379,695	860,378	13.3	13.3	11.4	38.01	2.112	2.112
Maximum	30,325	83,364	1.2	1.2	1.2	3.58	0.205	0.684
Minimum	6,100	45,332	1.0	1.0	0.0	-	0.000	0.157
Average	12,657	66,183	1.0	1.0	0.9	1.23	0.068	0.422