



Operations Services Inc.
 10850 East Traverse Highway
 Traverse City, MI 49684
 989.217.3175
www.operationservices.com

Monthly Client Report for Higgins Lake Utilities Authority May 2019

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	2018	2019	Difference
1st-7th Flow	72,400	53,200	-19,200
8th-14th Flow	68,000	52,500	-15,500
15th-21st Flow	82,000	59,700	-22,300
22nd-31st Flow	184,100	163,900	-20,200
Minimum Weekly Flow	68,000	52,500	-15,500
Maximum Weekly Flow	184,100	163,900	-20,200
Monthly Influent Total	406,500	329,300	-77,200

2019 IRRIGATION PERFORMANCE

Parameters	Influent	Effluent	Difference
2018 Year to Date Totals	3,323,313	1,840,089	+1,483,224
2019 Year to Date Totals	902,300	0	+902,300
May Totals	329,300	0	+329,300

MONITOR WELL STATUS

- Quarterly monitor wells were done in May.

MONTHLY E-ONE ACTIVITY SUMMARY

- Operations Services received 6 E-One service requests during May.
- There were 6 Miss Dig utility location requests during the month.

STRATEGIC PLANNING

- There was another catastrophic failure of an Eone pump this month, And would like to either get two motor replacements or two new pumps to replace the catastrophic failures.

MAINTENANCE

- Weekly lagoon inspections completed.
- Aerators are in lagoons and working properly.
- Sprinkler heads were installed in the month of May.

Cummins Backup Generator

- Monthly and weekly inspection and maintenance completed.

CONSIDERATIONS

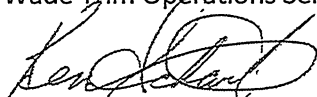
- Two new Eone pumps to be purchased and installed on the next two call outs.

OTHER NOTEWORTHY EVENTS OR ACTIVITIES

- Fence repairs are ongoing. Mostly just limb removal this month.
- We did not begin discharging in May because of weather and low flows.

If you have any questions regarding this report, please feel free to contact Operations Services at 989.217.3175

Wade Trim Operations Services, Inc.



Ken Schaut
Senior Project Manager / 616.293.8699

Project Reference # HLU753418Y