



**INFRASTRUCTURE
ALTERNATIVES, INC.**

Leland Township WWTP Operations Report

January 2021

Prepared by Lin Marolf, Operations Specialist
For February 2021 Sewer Commission Meeting

Operations Summary:

- Freeboard is within target range
- Waiting for a quote from Mi Agriculture Solutions for lagoon dredging
- All four aerators running as of 1/31/21
- H2S pilot study is in process with weekly sampling.
 - Only Popp and Duck Lake lift stations are showing measurements. Popp lift shows an average of 108ppm with a high of 152ppm and a low of 68ppm. Duck Lake lift shows an average of 33ppm with a high of 50ppm and a low of 25ppm.
- Fire extinguisher inspection completed by Summitt 1/22/21. All fire extinguishers are up to date. The representative recommended a CO2 extinguisher for electrical fires and an ABC extinguisher for the basement. A quote was given for the CO2 extinguisher.
- All other monthly operations performed
- 5 call outs for the month

Totals:

	December 2020	January 2021	Year to Date	Units
Effluent	2.57	2.72	2.72	MG
Influent	1.68	1.61	1.61	MG
Freeboard	-1.6	-2.1	+ 2.1	FT
Propane	155	215	215	GAL
Ferric Chloride	*124.51	*123.0	123.0	GAL
Electric	9946	10832	10832	KWH

***Estimate Only**



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Call-outs:

1/03/2021	3148 N. Manitou, Leland	High well alarm. Pump failure. Pump replaced.
1/14/2021	WWTP	Sludge pump fail to start, reset, all clear
1/20/2021	Thompson St. Lift, Leland	Low Temp alarm. Reset, and turned heater fan on
1/20/2021	Marina Lift, Leland	Hi Water alarm. Marina Harbor Master indicated failed water softener at marina ran excess water. Once turned off, alarm reset and operation returned to normal.
1/26/2021	211 Oak St, Leland	Owner indicated sewage backup in building. Plumber called.

