

SEWER ADMINISTRATORS REPORT LELAND TOWNSHIP SEWER SYSTEM SEPTEMBER 2022

Prepared by Steve Patmore, Sewer Administrator
for October 2022 Meetings

Influent and Effluent readings for September were normal and below last years flows.
The lagoon levels are within normal operational levels for this time of year. Freeboard = 6.2'
Effluent flows are being maintained at the maximum allowable level to keep lagoon levels within operational limits.

HYDROGEN SULFIDE CONTROL PROJECT PILOT STUDY

- Calcium Nitrate addition is completed for this year.
- Hydrogen Sulfide levels have been noticeably lower downstream.
- Odors in Lake Leelanau are now becoming problematic.
- Looking at alternative oxygen treatments for Lift Stations vs. chemical.

HARBOR LIFT STATION

- Valve chamber replacement of valves – completed in September
- Step-down transformer was installed and tested with our portable generator.
- Researching telemetering options that Suttons Bay is implementing.

ON-GOING SCHEDULED PROJECTS / MAINTENANCE / REPAIRS

- Duck Lake Road Lift Station - pump seat flange installed 8/31/2022.
- Thompson Street – reviewing proposal from IAI to install
- Influent flowmeter – unable to install due to leaky gate valves. Kal Excavating to investigate or replace.
- Air Release Valves: one discovered leaking after inspection, two need troubleshooting, one scheduled for replacement. Future ARV's need to be epoxy coated or nylon coated.
- Three WWTP lagoon aerator s in operation now. The aerator manufacture rep visited the WWTP and is making recommendations.
- Replacement screens for the bio filter arrived – the old screens were less than two years old. Manufacturers Rep sent cleaning instructions.
- Dosing valves and actuators replacement.
- Influent manhole – will be bid out for spring.

SEWER OPERATIONS & CALL-OUTS (IAI report)

- See IAI report for call-outs
- Drainfield pipe repairs by IAI.
- Efforts by IAI to reduce phosphorous effluent.
- Ferric Chloride delivered.

SYSTEM ADMINISTRATION

- Questions on connections and the sewer system in general, permits & building.
- Miss Dig staking requests steady
- Houses under constructions being reviewed and measurements.
- Several septic tanks pumped.
- Leland School – contractor damaged septic tank.
- Sewer permit for 206 S. Grand.
- Sewer permits for several alterations.

- Several requests for connection information – new construction/additions
- Annual delinquent account list – submitted to Treasurer.
- Meter readings/Billings for October
- Commercial construction at 123 N. St. Joseph – connection fee received.
- Site Plan Review for proposed distillery.