

SEWER ADMINISTRATORS REPORT LELAND TOWNSHIP SEWER SYSTEM OCTOBER 2022

Prepared by Steve Patmore, Sewer Administrator
for November Sewer Commission Meeting
Updated for Township Board Meeting 11/14/2022

Influent and Effluent readings for October were normal.

The lagoon levels are within normal operational levels for this time of year. Freeboard = 4.7'

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 since increased, and calls have been received.
- Looking at alternative oxygen treatments for Lift Stations vs. chemical.

ISSUES LIST

- Biofilter call-out alarms & equipment issues.
- Drain Fields: Bed #8 saturated due to effluent continuously leaking through dosing valve – probably for many years.
Bed #1 has effluent continuously leaking through dosing valve.
Bed #12 has effluent trickling into continuously.
- Thompson Street Guide Rails and seal replacement.
- Influent Flowmeter – contractor to work on gate valves.

ON-GOING SCHEDULED PROJECTS / MAINTENANCE / REPAIRS

- 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 aerators in operation now – fourth one ordered.
- Influent manhole – will be bid out for spring.
- IAI Assessment report received and being reviewed by Staff.

SEWER OPERATIONS & CALL-OUTS (IAI report)

- See IAI report for call-outs

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 – school had to repair.
- Sewer permit for 206 S. Grand – connection fee paid.
- Sewer permits for several alterations.
- Several requests for connection information – new construction/additions
- October Sewer Bills
- Commercial construction at 123 N. St. Joseph – connection fee received.
- Site Plan Review for proposed commercial project at 25 S. Lake Leelanau Dr.