

**SEWER ADMINISTRATORS REPORT  
LELAND TOWNSHIP SEWER SYSTEM  
March 2022**

Prepared by Steve Patmore, Sewer Administrator  
For April 2022 Meetings

Influent readings for March are not available at this time.  
The lagoon level is within normal operational levels for this time of year.  
Effluent flows are being maintained to keep a minimum lagoon level around 10'.

**HYDROGEN SULFIDE CONTROL PROJECT**

- 2022 extension of pilot study underway – materials being ordered.
- Meeting held with Harbormaster on placement of equipment.
- Engineering proposal for permanent installation.

**RIVER STREET GRAVITY SEWER**

- Preliminary Plans received from Gosling Czubak.
- Work needs to be coordinated with the Carlson Fishery building project.
- Coordination meetings involving Harbor, Fishtown, Road Commission and business owners will be held.

**ON-GOING SCHEDULED PROJECTS / MAINTENANCE / REPAIRS**

- Influent flowmeter ordered and will be installed by IAI.
- Up-coming work:
  - Duck Lake Road Lift Station - Work being scheduled to fix pump seal.
  - Thompson Street Lift Station – Work being scheduled to fix pump seal. Plans to modify the bottom of the station in order to replace the pump rails and seats.
  - WWTP Dosing Station rebuild is completed.
  - One WWTP lagoon aerator is being re-built by IAI. Two others in need of repair.
  - New Impellers to be installed on the pumps at the Marina Lift Station
  - Two dosing valves at the WWTP to be replaced. (normal replacement)
  - Influent manhole.

**SEWER OPERATIONS & CALL-OUTS (IAI report)**

- Repair of pavement patch at the Leland Merc. – no issue found.
- Phosphorous effluent tested at 6 ppm in December, which is down significantly. Goal is 0.5 ppm
- Retest of February monitor well phosphorous results/
- STEP pump at Leland merc.
- STEP pump alarm on West Street – probable frozen pipe – owner out of town.
- Septic tank pumping as weather allows – commercial pumpings.

**SYSTEM ADMINISTRATION**

- Questions on connections and the sewer system in general, permits & building. Sewer Billings
- Miss Dig staking requests remain steady.
- 3-4 houses under constructions being reviewed and measurements.
- End of March meter readings and billings.
- Working on septic tank pumping list and bidding.
- Working on Capital Improvement Plans with IAI assessment of facilities.



**INFRASTRUCTURE  
ALTERNATIVES, INC.**

## **Monthly Operations & Maintenance Report**

**April 1, 2022**

**Report for Month:** March 2022  
**Location:** Leland Township  
**Facilities:** Leland Township Wastewater Treatment Plant  
**Certified Operator:** Tom Lutke

### **Emergency Callouts/Customer Complaints**

- 3/5/22- Plant call out for aerator #3 breaker tripped. Lin responded and left #3 off.
- 3/6/22- Call out to 512 Lake st. High level due to frozen water.
- 3/31/22- Joe from Mercantile called about STEP chamber issues. Helped move dumpsters, check pump amps (11) manually lifted floats to check proper operation (good).

### **Significant Events:**

- 3/10/22- IAI safety (Pat Aird) did a facility safety assessment.
- 3/25/21- Lin's last day with IAI. We appreciate all his hard work and dedication.
- 3/30/21- Leland position accepted by Mitch Gawrysiak.
- 3/31/22 – Lagoon freeboard is 10.2 feet

### **Preventive Maintenance:**

- 3/16/22- Resampled monitoring well.
- 3/23/22- Replaced leaking effluent PVC pipe with Gabe.

### **Facilities Data for the Month**

	February 2022	March 2022	Year to Date	Units
Effluent	1.6	1.65	5.71	MG
Influent	1.2	1.20	3.7	MG
Freeboard	+4	+1	+2.7	FT
Propane	245	51% used	495+51%	GAL
Ferric Chloride	319	792	1364	GAL
Electric	4261	3598	12339	KWH