

Joint Water Sewer Board

Wastewater Report

August 2023

1) Septage

- In the first 7 months of 2023 we received 284,800 gallons of septage. 163,200 gallons since the last report
- In the first 7 months of 2023 we billed \$21,381.50 for septage. \$12,759.50 since the last report
- For July 2022 – June 2023 we billed \$30,368.00 for septage

2) Compliance Reports

- DMRs have been submitted for the months of April, May, June, and July
- A PFAS Pollutant Minimization, Source Evaluation, and Reduction Program Plan was submitted to EGLE
- An Asset Management Annual Report was submitted to EGLE
- An Ongoing IPP PFAS Status Report was submitted to EGLE

3) NPDES Requirements

- Plant effluent was sampled and tested for copper concentration
- Plant sludge was sampled and tested for mercury concentration
- Plant influent and effluent was sampled and tested for mercury concentration
- Plant influent and effluent was sampled and tested for PFAS concentrations

4) Maintenance Items

- A rotating assembly failed in one of the Schirmer Lift Station T4 pumps. The rotating assembly was removed from the grit lift pump and put into the Schirmer pump to keep the lift station operational. We continue to wait for our new T4 rotating assemblies (2) to arrive so that we can put our grit removal system back into operation.
- The light fixture was repaired at Schirmer lift station
- The fuel sending unit was replaced in the Kubota
- Clarifiers weirs and launders were cleaned
- Telephone poles were cut to size and added to the retaining wall at the bottom of the hill to help with the washouts
- Solids were removed from Schirmer, Mill Pond, and Industrial lift stations
- A module was replaced in one of our panels. The entire SCADA system was down for several days. Windemuller did not know why the component failed
- Blown fuses were replaced twice in one our panels. The blown fuses prevented the scum pumps from running automatically
- A tire puncture was repaired on the 2017 F250
- All floats in the Glaser Lift Station wet well were replaced
- Brush was cut back from the fence line
- Mower blades were sharpened

- A load of scrap was taken to Padnos
- The air release valve on the discharge pipe for the headworks was flushed to remove solids buildup.
- A new backup battery was installed at the Mill Pond Lift Station
- Greased and exercised ditch gates
- The operator interface at Mill Pond Lift Station failed. A working interface was removed from the beds lift station at the plant and installed at Mill Pond.
- A motor starter was replaced in the beds lift station
- Numerous routine preventative maintenance tasks

5) Sludge Disposal

- In May – July we pressed 574,748 gallons of sludge. 1,042,000 gallons total for 2023
- In May – July we sent 249 tons of dewatered sludge to the landfill. 412 tons total for 2023
- For the fiscal year July 2022 – June 2023 we spent \$26,747.74 on sludge disposal.

6) Landfill Leachate

- In May – July the landfill was billed \$59,736.24.
- For the fiscal year July 2022 – June 2023 the landfill was billed \$261,642.12
 - The Sewer Maintenance & Operation amended budget for the 2022-23 fiscal year as reported on 4/14/23 was \$927,039.00

7) PFAS

- In both April and July of 2023 our effluent was found to contain 13 ng/L PFOS. EGLE sets a water quality-based effluent limitations (WQBELs) for PFOS at 12 ng/L
- Because we have exceeded the WQBWLs for PFOS we were required to submit a PFAS Pollutant Minimization, Source Evaluation, and Reduction Program Plan to EGLE
- EGLE is requiring us to establish local limits for PFAS. Establishing local limits requires repeated testing of influent, effluent, sludge, and the collection system for PFAS. How we are to sample for the testing is described in the Michigan Administrative Code Part 23 Section R 323.2303.4.b. We are going with option ii. Sampling is being conducted August 7th through September 1st

8) Rain Event

- We had a big rain event on the on the night of 7/28-29. The plant received about 80% more water on 7/29 than usual
- Inflow & Infiltration should not be that extreme. Hopefully completion of the downtown project will reduce the I&I
- River Shores lift station normally runs about 40 minutes a day. On 7/29 it ran 4 hours and 56 minutes. We may want to consider addressing the inflow issue at River Shores lift station
- I was out of town on vacation when the rain event occurred. Terry ended up working a 13.5 hour day. He had to turn off all the lift stations that feed into Schirmer lift station to prevent Schirmer from overflowing and then monitor the lift stations to ensure that they did not overflow. He also had to respond to multiple lift stations alarms due to power blips causing them to trip. He was able to complete labs in-between running back and forth between lift stations

9) DMRQA

- DMRQA testing for 2023 was completed, and results were submitted
- DMRQA testing is a requirement of the federal government. It proves that our lab is capable of producing accurate results