

# Joint Water Sewer Board

## Wastewater Report

### October 2023

#### 1) Septage

- As of 10/16 we have received \$28,418.00 worth of septage in 2023
- \$7,234.50 since the last report

#### 2) Compliance Reports

- DMRs have been submitted for the months of August and September
- The Annual Biosolids DMR was submitted for the time period 10/1/22 – 9/30/23
- A PFAS POTW Effluent Monitoring Report was submitted
- The 2023 Biosolids Annual Report was submitted

#### 3) IPP

- EGLE performed an IPP inspection in August. Terri Shattuck wanted to review the landfill discharge permit and our Enforcement Response Plan
- A new DRAFT landfill discharge permit was submitted to EGLE for review
  - The permit may not be extended beyond 5 years after the issuance date
  - The distinction between local limits and surcharge limits was made clear
  - The frequency at which testing will occur was updated
  - Surcharges will now be calculated based on City of Buchanan WWTP lab data instead of SEBCLF lab data
  - The fact that surcharges are applied to discharges with a UVT below 65 was stated plainly
  - The frequency of landfill reports was increased from annually to biannually
  - How and to where the landfill's biannual reports are submitted was changed from email to hand signed hard copy delivered through mail
- A new DRAFT Enforcement Response Plan was submitted to EGLE for review

#### 4) NPDES Requirements

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

#### 5) DMRQA

- Results for DMRQA-43 were received. We passed all tests for the fourth year in a row.

#### 6) PFAS

- PFAS sampling was conducted on our influent, effluent, sludge, and the collection system to set PFAS local limits

- In October septage was sampled for PFAS concentration at the request of EGLE for calculating PFAS local limits.

#### 7) Landfill Leachate

- In August – September the landfill was billed \$37,985.17

#### 8) Sludge

- In August – September we pressed 533,810 gallons of sludge
- In August – September we sent 173.23 tons of dewatered sludge to the landfill
- We are working on getting rid of the old 2022 sludge that was left in the drying beds
  - Beginning the week of 10/8 – 14/23 we started pressing only 1 dumpster's worth of sludge – a 50% reduction.
  - We are continuing to send 2 dumpsters a week to the landfill. The second dumpster is being filled with old 2022 sludge that was left in the drying beds. It may take a couple months to remove all of the old sludge
- Polymer dosage was played with extensively. Dose has been reduced from 8% to 5% -- A 37.5% reduction
- A different size/thickness of dumpster liner was acquired. The new bags are \$17.58 each vs. \$29.70 each for the old bags; shipping on 8 of the new bags was \$53.52 vs. \$87.25 for the old bags – a total cost reduction of 40%.

#### 9) SCADA System

- Windemuller installed an 120V surge protector in the panel that keeps blowing modules. This installation was done free of charge
- A new I/O board was installed in the RAS meter

#### 9) Maintenance Items

- Clarifier weirs and launders were cleaned
- Solids were removed from Schirmer, Mill Pond, and Industrial lift stations
- The transducer at Schirmer lift station was replace
- Oil was changed on both clarifiers
- Oil was changed on the snow blower
- A rotating assembly was installed in the grit lift pump
- Numerous preventative maintenance tasks