

Joint Water/Sewer Board

Wastewater Summary

May 2021

Completed:

- 1) WET Test
 - a) Completed on March 11th
 - b) Results were acceptable for both the total toxicity and inorganic compounds portions of the analysis
 - c) A final report of the test was submitted to EGLE
- 2) Pollutant Minimization Program 2020 Annual Report
 - a) Submitted to EGLE on March 17th
 - b) Increased metals concentrations
 - c) Completed and ongoing sampling around the City
- 3) SARA Tier 2 Report
 - a) Submitted to State and County on February 5th
- 4) Industrial Pretreatment Program
 - a) The annual IPP report for 2020 was submitted to EGLE on March 23rd
 - b) Surcharge rate calculations and methodology statement were completed
 - c) Surcharge rates adopted by the City Commission on February 8th
 - \$0.88 per pound of CBOD
 - \$3.08 per pound of Ammonia
 - \$0.80 per pound of TSS
 - \$5.87 per pound of Phosphorous
 - d) Completed and ongoing facility inspections of industrial users
- 5) Landfill Discharge Permit
 - a) Submitted for comment on February 9th
 - b) Effective March 1st
- 6) Lab Savings
 - a) Bulk purchasing
 - b) Agar plates
- 7) Maintenance Items
 - a) Rebuilt Glaser LS motor and rotating assembly
 - b) Schirmer LS impeller adjustments
 - c) Truck oil changes
 - d) Relocated hardware and fasteners to the shop building
- 8) Sludge Disposal

- a) Dewatering bags were installed in drying beds 2,3,4 and 6
- b) Approximately 90,000 gallons of sludge poured into dewatering bags
- 9) Safety
 - a) Slips, trips and falls training on March 16th
 - b) Updated the procedures for working in the roadway
 - c) Added a comprehensive safety folder to the Z drive for staff access
- 10) New Lab Equipment
 - a) Received new spectrophotometer, BOD incubator and stirring hot plate
 - b) Muffle furnace expected in May
- 11) Asset Management
 - a) Comprehensive asset management plans were developed for the collection system and WWTP, including assets from the new plant. The AMPs can be used by the City to target set aside funding of wastewater assets.

Ongoing:

- 1) Oxidation Ditch Project
 - a) All structural concrete has been poured
 - b) Clarifier mechanisms are installed
 - c) UV unit hardware has been fully installed
 - d) Yard piping is approximately 60% complete
 - e) The majority of the water system is installed
 - f) Oxidation ditch rotors are installed
 - g) Stormwater retention pond and collection piping has been completed
 - h) Work has started on the utility corridor and force main to the Headworks building
- 2) Sewer Use Ordinance
 - a) Headworks analysis
 - b) Local limit modification
 - c) Surcharge calculation tool
 - d) Fee structures
- 3) Septage Receiving
 - a) Plan with prints submitted to EGLE, provisionally accepted
 - b) Waiting on pricing to submit the plan to the City Commission for approval
 - c) Public notice