

# Joint Water/Sewer Board

## Wastewater Report

### May 2023

#### 1) Septage

- In the first four months of 2023 we accepted 121,600 gallons of septage
- In the first four months of 2023 we billed septage haulers \$8,424.00

#### 2) Storm Water Pollution Prevention Plan (SWPPP)

- First quarter sampling and visual assessment was conducted on all 3 of the plant's stormwater outfalls
- Second quarter sampling and visual assessment was conducted on all 3 of the plant's storm water outfalls
- Joe watched training videos for SWPPP
- Terry was trained on how to do the routine SWPPP inspections
- Eleven routine SWPPP inspections have been conducted in 2023
- Two comprehensive SWPPP inspections were conducted in 2023
- The used oil storage area was cleaned and organized

#### 3) Compliance Reports

- DMRs have been submitted for the months of January, February, and March
- The Michigan Industrial Pretreatment Program Annual Report was submitted on 2/24/2023

#### 4) NPDES Requirements

- Copper sampling and analysis was conducted on plant effluent
- Mercury sampling and analysis was conducted on plant influent and effluent
- PFOS/PFOA sampling and analysis was conducted on plant influent and effluent

#### 5) IPP Program

- Pizza Hut's grease trap was inspected
- Inspections were performed at Redbud Roots
  - Sampling will be conducted on their fertilizer solutions, their grow bag leachate, and their effluent.
  - A draft discharge permit is being written
  - Redbud roots uses about 145,500 gallons per month. Redbud roots is not likely to generate anywhere near the sort of surcharge revenue that the Landfill does, but I believe we may be able to generate several hundred additional dollars per month

#### 6) Maintenance Items

- The leaking pipe that connects the headworks to the oxidation ditch has been replaced
- Bulbs were changed on one of our UV banks
- An actuated valve was replaced on the fluidizer line for our grit removal system

- Impeller depths were adjusted on the headworks pumps
- Impeller depth was adjusted on the grit lift pump
- Oil was changed on the vortex grit separator
- Oil was changed on the deragger
- Oil was changed on both clarifiers
- The rotating assembly was replaced in pump 2 at the Schirmer lift station
- An actuated valve was replaced on the deragger
- Presummer maintenance was performed on mowers, weed eater, leaf blower
- Tanks in the old plant were pumped down
- Clarifier weirs and effluent launders were cleaned
- UV units and effluent channel was cleaned
- Solids were removed from Schirmer sift station, Mill Pond lift station, and Industrial lift station.
- Cover bolts on the Rotary Press were tightened to the appropriate torque, and the seal shaft was greased
- Maintenance was performed on the Kubota
- Windows and eaves on the new building were caulked
- The cover for the ferrous overflow pit was caulked
- A technician from F&G came out to look at our generator
- Numerous routine preventative maintenance tasks

#### 7) Sludge Disposal

- In the first 4 months of 2023 we pressed 467,429 gallons of sludge
- In the first 4 months of 2023 we sent 326,480 pounds of dewatered solids to the landfill
- We recently switched from running one dumpster a week to running two dumpsters a week. We may be able to go down to three dumpsters every two weeks later this summer

#### 8) Landfill

- In the first four months of 2023 the landfill was billed \$112,316.38
- So far this fiscal year (beginning July, 2022) the landfill has been billed \$221,085.51

#### 9) New Employee

- Joe started on 4/3/2023
- Joe has been trained on how to run labs and recently began working the weekend rotation

#### 10) CTE Student

- The city has decided to let us move forward on the CTE program
- A job description and document describing opportunities in the wastewater field has been supplied to Ashely Regal
- Hopefully we can get a student to join us
- As of 5/8/2023 no students have applied for the position.
- Mark Frey, director of career and technical education, has said that he will remind students about the opportunity.

#### 11) Grass mowing

- Grass mowing season has begun. The plant has a great deal of grass, much of it on hills that are challenging to mow.
- Mowing grass at the plant has always been a big task. Now that we have all the additional grass associated with the new plant the mowing chore has become significantly more time consuming.
- Hopefully we can get a CTE student to work with us this summer. The additional help should allow us to stay up on the mowing and continue to work on IPP and plant projects

#### 12) Possible Expansion of Collection System

- Life Action Ranch is working with the engineering firm, Wightman to explore the possibility of connecting to our sewer system at the Post Road lift station
- Fill rates and draw down rates for Post Road lift station were measured and reported to the engineering firm.
- The engineer, Frank Renaldi, is asking how ready to serve fees will be applied
  - It sounds like Life Action Ranch's waste stream will include wastewater from Fuller's Resort and Camp Ground, the Columbia Court housing development, and the Life Action Camp
  - The project will require about 1.61 miles of sewer

#### 13) Bisbee Infrared Service, Inc.

- A technician from Bisbee came out and scanned all of our panels and breaker boxes
- We have one breaker that is running hot and needs to be replaced

#### 14) Otsego Crane & Hoist, LLC

- A technician from Otsego Crane & Hoist came out and inspected our hoists
- No problems were identified

#### 15) Generator

- There was some debate over how often the generator needs be ran under load
  - Our NPDES permit requires that we, "provide an alternative power source sufficient to operate facilities utilized by the permittee to maintain compliance with the effluent limitations of this permit"
  - The permit does not specify how often we need to prove that the generator works
  - I spoke with Daniel Burlingame, at EGLE, to see if there was a requirement on how often we need to run the generator under load in order to prove that we are meeting the permit requirement. Daniel said that there is no written rule that he can direct me to, but that it is typical for plants to run their generators under load once per month.
  - The second technician that came out to look at our generator said that our transfer switch is modern, good, and won't wear out in an untimely manner if we use it.