

WASTEWATER TREATMENT ACTIVITY BRIEFING

MARCH 2025

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SUBJECT: WWTP Activity Briefing

BACKGROUND: The following items were completed over the last month by the WWTP staff.

- The policies and procedures book for the Wastewater Plant Emergency Response Plan was updated, reviewed, and distributed. Outdated contact numbers were replaced and updated with current.
- Terry attended a two-day training session in Jackson, Michigan, hosted by the Michigan Rural Water Association (MWEA). This class covered wastewater operations and procedures.
- Monthly sampling and analyses were performed for effluent total chlorides, sulfate, and copper. This testing is a requirement of the plant's new NPDES discharge permit.
- A scheduled inspection was performed on the influent pump drive belts at the Headworks Building. A cracked belt was identified and replaced with a belt from spare inventory.
- The yearly inspection of fire extinguishers was completed. While most extinguishers were in good condition, one was sent for repairs. A loaner extinguisher is being used temporarily, with the repaired unit expected to return in early April.
- Mike Baker assisted in reinstalling a light over one of the clarifiers that burned out in October. The original light model is discontinued, a new model was selected and will be used going forward. replacements.
- The headworks wet well was thoroughly cleaned, and all components appeared to be functioning intended.
- The UV channels and lamps were cleaned using a crane to lift the lamp racks and applying cleaning solution. During the process, a broken steel band was found in one of the banks. Replacement parts have been ordered and will be installed upon arrival.
- Three lift stations were cleaned of accumulated scum and grease on the water surface.
- A new building cleaning schedule was created to maintain cleanliness and good hygiene throughout the plant and to ensure ongoing upkeep.
- Construction work relating to the installation of the new WWTP influent line and Parshall Flume has been initiated.
- The snow-related equipment, including plow markers, snow blower, and salt spreader, was cleaned and stored away for the season in the barn.
- The septage receiving station was reopened for haulers on March 28th, and calls were made to inform them on this matter. New construction necessitated shutdown of the area temporarily.
- The recent storm caused power outages in Buchanan, prompting Terry and Joe to pump down five of the seven lift stations on a frequent basis. One generator was used during the process. We are exploring the feasibility of installing permanent generators at critical lift stations on a priority basis.
- Annual reports relating to the plant's Industrial Pretreatment Program (IPP) and Mercury Pollutant Minimization Plan (PMP) were submitted to EGLE through the MiEnviro portal.
- In addition to the items listed above and daily operation of the lab and plant, 149 Preventative Maintenance (PM) work orders were performed. PM work orders can be as simple as checking fluid levels or greasing equipment, but they can also entail major maintenance tasks that take hours or even days to complete.