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Southern Clinton County Municipal Utilities Authority

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Inside this issue:

Process—Making it Clean 2

Inspections—The Scoop on the Poop 2



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"The Clean Water People"

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Maintenance—Keeping Things Humming

We have been very fortunate that the weather has been so cooperative! It is much nicer for the team when they are out doing their fall work orders, not to have to deal with the elements.

Fall generator maintenance has started. This involves changing the oil and oil filter, checking and changing the air filter if needed, checking all fluids and belts, testing batteries, etc. It is also a good time to clean out the enclosures and make sure that no unwanted guests are moving in for the winter months.

Just as we do every fall, easement clearing has started. Performing this task annually helps us have good access to our equipment and reduces the amount of time it takes to do this job if it is not already overgrown. We also use this time to inspect each manhole to make sure that they are not damaged or show signs of erosion.

On Grand River near LS 404, a contractor was doing some directional boring and hit our force main. The contractor called us to let us know. We were able to locate the parts to make the repair. We used our Vac truck along with a local contractor and their excavator, and the repair was done promptly.

The final filter to be clear of its media has been completed. Now, the contractor can do their final concrete removal and pour the new concrete so the final new filter can be installed.



Administration

The team has continued working with Ziptility to bring a fully functioning work/ asset management tool online. This work will continue for the next few months as we migrate all the data over and adjust the new system.

Healthcare renewals will be around 6 percent, plus or minus a percent. This will be within our budgeted calculations for 2025. However, this is always difficult to forecast early in the year as we prepare the budget.

Continued project efforts have kept us busy this month as we push to get Sandhill back online by the end of the year. This helps our process and limits cost overruns, but the current bypass configurations have negatively impacted our neighborhood due to increased noise and odor. We have appreciated our neighbor's patience during this process and want to maintain momentum coming into the fall of the season.



Process—Making it Clean

NPDES Permit: We are pleased to report that all parameters of the NPDES permit were successfully met, with total precipitation for the month of 0.096.

The team has been performing routine maintenance activities as well as tending to any unforeseen items as they come up. Most recently, we learned that the East mud well suction line had become plugged. When this occurs, there is always the potential of the pump burning up as the floats are located here for both the East and West mud well pumps. We can continue normal operations even if only one mud well is functioning, however, a plug causes suctioning of just air, and this can be detrimental to the pump. Thankfully, due to the diligence and prompt response from our team the issue was resolved quickly as the team determined the best way to clear the plug was to connect to a fire

hydrant. The hydrant would provide enough pressure to remove the obstruction. After a t-shaped pipe fitting was added to the pump and then connected to the hydrant, the hydrant did its job and the plug was removed. Air intake filters on the main air handler unit have also been replaced. These filters filter the air coming into the building from the outside.

The Team also serviced the West primary clarifier and have it ready for operation. Typical clarifier service involves replacing pulley cables and safety cables and inspecting pulley wheels for damage so that they can be replaced. This is done about once every six months to ensure proper clarifier operation.

Ultraviolet disinfection is in and operational. The ease of operation and added safety of this

treatment process are huge benefits of disinfecting by way of UV. Team members attended a startup and operation training held by Veiola, which covered start-up, shutdown, and troubleshooting. As far as effectiveness is concerned, we have had great numbers for our fecal coliform counts and are very happy with its effectiveness.

The main plant bypass has been underway for roughly two months. This means that preliminary treatment consists of screening directly in the flow channel of the vortex grit chamber. This is manually raked a minimum of three times a day and checked more often than that. How often raking the screen is required is never known due to flows bringing in inconsistent debris. Due to the inconsistency, it is checked multiple times a day.

Inspections—The Scoop on the Poop

Miss Dig Totals:

Miss Dig Requests: 453

Miss Digs Marked: 149

Inspection Services: 7 (5 new connections, and 2 repairs).

Projects:

Miss Dig tickets were down for the month. Large boring projects still make up the bulk of the miss dig request tickets. The team has really stepped up to complete the tickets on time, even when multiple subdivisions are required at the same time.

Plummer's Environmental is set to start the 2024 annual cleaning and televising. Last month, the team finalized the 2024 clean and televising list for Plummer's Environmental. A total of 64,826 feet will be cleaned and televised this year. The breakdown is as follows: DeWitt Twp: 33,063', Bath Twp: 15,950', City of DeWitt: 7,604', Water-



town Twp: 5,128', Joint: 3,081'. Plummer's Environmental will also install six spot liners: 2 in DeWitt Twp, 3 in Bath Twp, and 1 in the City of DeWitt.

Staff worked on two site plan reviews. The first was for DeWitt Crossing South in DeWitt Twp, and the second was for Webster Road Townhouses in Bath Twp.

Staff has been working on improving the GIS for migration to Ziptility.