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Southern Clinton County Municipal Utilities Authority

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"The Clean Water People"

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Maintenance—Keeping Things Humming

New pumps have been rolling in at SCCMUA with a new pump at station 211 in Bath installed. This pump replaced a failing 20-year-old pump. Also, SCCMUA has received and is waiting for things to dry out to install a new pump at station 405. This pump will go in while an older pump is removed and rebuilt to allow for a back-up, as that station has some unique conditions.

As everyone knows, the wet start to spring has kept our crews busy for many weeks. With the first rains comes the first flush of the season, as the winter typically yields lower flows allowing debris and trash to settle out in manholes and mains. The spring rains bring increased flows which move debris into stations and potentially into pumps which need to be unplugged. The heavy rains at the beginning of April had staff working long hours daily to protect the property. SCCMUA is happy to report that recent events affected no homes.

Between the rains, a flowmeter at station 203 was repaired in Bath. This flow meter is critical to the overall operation of the Bath system and it is used to control downstream flows that impact station 201.

Administration

Staff continues working through the SRF project's closing to get shovels in the ground this year, hopefully. Meetings with treasury and project management staff have been weekly as we anticipate closing on the funding on May 5th.

The 2024 budget is nearly ready for review at the committee level. The 2024 budget had some added intricacies working through the SRF project payback. Also, the impact of inflation on many of the commodities used for the process continue to inflate. This is at an alarming rate;

Staff is eager to get to some dryer months ahead to get started on some planned projects in the system. This year, staff will continue the radio and control upgrade in the DeWitt system. Also, some force main cleaning is planned to evaluate some conditions in the system. Some internal drops will be installed to direct flow in an intended path and minimize H2S release.



however, the project will eliminate 2 of the chemicals which have seen increases exceeding 100%.

Work continues with our municipal partners to get some of the larger projects back on the table that the pandemic had impacted. However, those projects are more complicated now with the cost increases and the ability to find competitive bids as the workforce is taxed.

Process—Making it Clean

NPDES Permit: All permit requirements were met. Total precipitation for February was 2.2 and 4.38 for March”.

Operations at the facility have been steadily humming along. From the low flow days to meeting peak capacity, equipment and staff have been operating at a high level to ensure adequate and efficient treatment of our wastewater before being discharged into the Looking Glass River.

The staff has been busy keeping up with routine preventative maintenance tasks around the facility. These tasks consist of oil changes, checking belt tensions, changing air filters, and visually listening for any abnormal wear possibilities on our operations equipment. While these preventative maintenance tasks seem basic, they are vital

in preventing unnecessary damage and costly repairs that can be avoided at the cost of preventive maintenance.

We are building an Excel program to log all our data entry sheets, such as lab analytical data and flow sheets. These are presently logged and stored into Hach software which will soon not be compatible with our new server. Building the new Excel pro-



gram will be more user-friendly for our staff, easier to change if needed, and will save the Authority roughly \$15,000 by not having to purchase Hach-compatible software for the new server.

Staff came up with an actuated arm that will automatically pull the influent sampler probe out of the sampling line, allowing any possible rag buildup to pass by allowing for adequate uninterrupted sampling that could otherwise be hindered by buildup behind the sampling probe. This actuator is run off a timer that occurs roughly every 9 minutes. The staff has also implemented a water still in the lab that produces up to 5 gallons of steam-distilled water daily, offering a 3.5-gallon holding tank. This water will be used in the lab for analytical and rinsing needs for glassware cleaning. This provides another cost savings as we will no longer need to purchase distilled water.

Inspections—The Scoop on the Poop

Miss Dig Totals:

Miss Dig Requests: 259

Miss Digs Marked: 63

Inspection Services: 6

Projects:

Staff completed a review of the 2022 sewer inspection televising. In general, the areas cleaned and televised are in good condition. Roots remain the most significant concern in the clay pipe. Several structural defects were prioritized for spot repairs. Quotes have been requested to line six (6) spots.

DeWitt and Bath Twp master plan work continues. Staff has continued to gather the requested information for engineers. The staff has been working on feasibility studies of future system expansion.

Inspection of manholes in the road project areas for 2023 has begun. SCCMUA works with the Road Commission to make repairs

and externally wrap manhole adjustment rings. As collection systems have tightened, adjustment rings have become the primary source of infiltration. By repairing damaged rings and externally sealing the rings, we can reduce infiltration.

Staff continues to work on the GIS and Lucity databases improvements. This project will improve the accuracy. Staff will continue to make improvements as time allows. Improvements include updating attribute data, rectifying the GIS with air photos, creating layers for tracking backups, and layers for past/future repairs.

Nottingham Fields' development has remained at a standstill for the past few months. Staff met with the developer and contractor in January to address the deficiencies and develop a plan for moving forward. The contractor will be required to meet SCCMUA standards. Staff expects work to begin again in the next couple of weeks.

