



December 6, 2022

## Southern Clinton County Municipal Utilities Authority

Volume 15 Issue 12

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Southern Clinton County Municipal Utilities Authority  
"The Clean Water People"

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### Maintenance—Keeping Things Humming

During the warm weather stretches, the chlorine contact chamber was cleaned. This is done to eliminate aquatic growth occurring during the warmer months on the room's sidewalls. This growth harbors other bacteria that could affect residuals and impede flow in the chamber. It is very labor intensive and takes the crew some time to complete and haul away.

Generators continue to be a headline at SCCMUA. In November, three significant failures occurred in our system. The generator at station 301 in the City failed while it was being tested. The failure resulted from the faulty governor not allowing the generator to react to the demand it was being put under adequately. Another incident occurred during testing at station 501 in DeWitt Twp. The failure occurred during routine testing when the generator failed to shut off. After a lot of tests and retracing of old wires, staff discovered a faulty relay. The relay was replaced and the generator was put back into operation. The final generator failure occurred at station 402 in Watertown Twp. The failure was from a faulty isolation transformer and voltage regulator.

Crews continue to monitor and update our odor response related to odors in the sys-

tem, mostly related to lift stations. SCCMUA has utilized many forms of odor control, including chemical treatment utilizing ferric chloride and calcium nitrate, carbon media filters on vents, along with ozone. These have all been effective but are in need of constant tuning to ensure their continued performance.

Crews worked on cleaning all the critical stations ahead of the holiday season; we do this to help ensure there are no issues during this time. Also, the ability to clean the stations decreases as the weather gets colder.

At the end of November, SCCMUA received a call to our emergency line related to a potential backup on Herbison Rd near the plant. Crews arrived and quickly set up a bypass to relieve the issue while investigating what was causing a plug. The plug was identified in the metering portion of the line; debris had built up just past the meter, slowing the flow from the Watertown line. Staff quickly worked to flush the line and get it back in operation.

### Administration

The benefits review process was completed. There were no changes, although health insurance did increase by 14.2%. SCCMUA remains below the PA 152 hard cap.

Work has continued with the SRF project, with three communities executing their capital projects. Director Gurski was able to attend all of these meetings and the overall support for this project from the communities has been unanimous and positive in nature.

The final push to get in all the necessary documentation related to the SRF has hit its stride and much of the work has been completed with a few hard dates remaining. The evolution of the project has been nothing short of astonishing; bringing all the pieces together is very fulfilling.



## **Process—Making it Clean**

NPDES Permit: All permit requirements were met. Total precipitation for October was 1.71" and November was .8".

Staff has been busy keeping up with preventative maintenance work around the facility. The team recently rebuilt our non-potable pump; this pumps nonpotable water throughout the plant for various uses. These pumps run in place of our effluent pumps in case we must take down our clear well or have an unexpected issue with our effluent pumps. These pumps do not run on a continuous, 24/7 basis but are exercised once a week.

Since we are entering the cold weather months, we are going to be running two secondary clarifiers and one primary clarifier while keeping the other primary clarifier full of recycled

water from our heating system. Keeping all clarifiers full will help reduce oxidation on the structural parts of the clarifier's mechanisms and help reduce rust forming.

All flow meters have been checked and re-calibrated. We do this annually to ensure accuracy to the nearest gallon; lift stations, incoming lines, and the different flow meters throughout the process are looked at daily and are crucial to an efficient treatment.

Staff is disinfecting our C1 train in the RBC's; the tank was flushed with effluent water and will be disinfected with Sodium Hypochlorite. This will prep the train for inspection of shaft ends and bearing wear and the replacement of diffusers; these

actions are needed to ensure the efficient operation of the RBC system.

The staff has also put a new twist on how we ensure our influent sample port does not get plugged off with debris that makes it through the sample pump and eventually causes our sampler to stop pulling samples. The staff has hooked our sample tube to an actuator that runs off a timer. This will automatically remove and replace our sample tube into the sample port, letting any debris that may have become lodged behind the tube pass while not interrupting the sampler's operation.

## **Inspections—The Scoop on the Poop**

### **Miss Dig Totals:**

Miss Dig Requests: 254

Miss Digs Marked: 80

Inspection Services: 8

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

Plummer's Environmental has been diligently working on this year's cleaning and televising program. They have completed over 70% of the scheduled cleaning to date.

Work continues on the improvements to the GIS and Lucity databases. All of Bath Township and Watertown Township have been completed. DeWitt Township, excluding the 102 service area is also complete. Work has begun on the City of DeWitt GIS. A portion

of the City of DeWitt record drawings do not contain profile views with elevations. Staff will need to go out to verify manhole and pipe elevations.

Work at Nottingham Fields is nearing completion for the year. Development of the latest phase did not require any new sanitary sewer.

