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## Southern Clinton County Municipal Utilities Authority

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### Maintenance—Keeping Things Humming

Generator maintenance is a weekly task for our crew, and a week rarely goes by without some level of repair. This week, there was no exception with battery failures at Station 501, our largest station. Batteries typically last 3 years as they endure frequent charge cycles and temperature extremes, which tend to shorten their life.

We met with Bath Twp engineers to discuss their inquiry regarding the possibility of adding additional air relief systems that will help increase flows. Our crews hydro-excavated their sites to take measurements and explore the best possible locations for these systems.

The DeWitt Twp station telemetry upgrade is complete. This means that all stations are now on the new system, and this takes the pressure off the old system while increasing our ability to receive and track data points. The new system is much faster and has proven to be reliable over the last couple of years. This project is sourced with over-the-counter parts to simplify operations and future maintenance.

At LS 211, we had a pipe failure on the air relief that caused sewage to fill the valve chamber. We temporarily fixed the issue and

located the parts necessary to fix it properly. While we replaced the air relief, we decided to also install a new valve to make future work on the station much more efficient. This station is unique in how the force main is tied into the 209 force main.

Our team continues to chip in on the expansion project in order to keep things moving along. Our ability to perform several of the tasks needed to complete the project provides a significant cost savings to the overall project. Recently, our crews cleaned out the old filter 3 to make room for the new filter 2, which will arrive mid-month. As soon as we got things cleaned, our construction crews were able to jump in to begin the construction of necessary



### Administration

Our young team continues gaining knowledge and abilities each day. This is mainly due to the great group here, who over the years, worked hard to keep a viable and efficient utility for the users and are now training our newest team members. Each team member values their contributions to the system and prides themselves on the work they do. Because of their efforts and dedication, SCCMUA continues to provide one of the most stable utilities in the region.

The 2025 SCCMUA budget road show has continued with all the municipalities. In the past month Director Gurski has visited all the municipalities regularly scheduled monthly meetings to discuss the budget in detail and field any questions from board of community members. The ongoing message is continued efforts at SCCMUA and support from the Board to create a sustainable budget that accom-

plishes the work needed today, while also planning into the future.

Our Admin team has continued to work with our auditing vendor to review and provide clear direction on accounting principles and safeguards. This has been very beneficial to our team and has greatly helped our Admin Supervisor become more knowledgeable in all things related to governmental accounting.



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## **Process—Making it Clean**

NPDES Permit: All parameters of the NPDES permit were met. The total precipitation for the month was 3.044

The team has been keeping up on routine maintenance around the facility, including, but not limited to, routine oil changes, scheduled equipment rotations, belt replacements, and the replacement of any needed parts or equipment needed for daily operations. This past month, we have upgraded the water trap lines and added water traps, while also re-routing the lines for more efficient condensation removal from the main plant air compressor lines. We have also replaced bearings on both sides of the chain-driven rotating brush that cleans debris from the teeth of the bar screen.

The team is currently in the process of re-sealing the North half of

the sludge storage tank. A thorough tank cleaning has led to an adherable surface. The concrete ceiling of the storage tank has multiple previously sealed sections that, in time, have worn and weathered away, leaving open-air spaces for rain and debris to enter the tank. The sealant that will be applied is an Eterna bond tape that adheres to virtually anything and is intended for roof and leak repairs. This same method was completed 2 years ago on the south storage tank and is holding up very well. This project can only be done in summer as the Eterna bond sealant tape adheres best in warmer temperatures.

The outer ring of the chlorine contact chamber has been pumped down and cleaned out. The team used hydrant pressure to spray the walls off, while the

vactor truck was used to suck out all the debris from the floor of the tank. This task will also be completed on the inner ring of the contact chamber in the coming months.

In May SCCMUA completed the annual sample required for the NPDES permit. Per the NPDES, annual sampling occurs in a different month of the each year when the permit is effective. SCCMUA staff conducted a thorough sampling procedure of all parameters required annually on both the effluent and influent. Additionally, we also completed the annual sampling for the POTW requirement of IPP SIUs (Significant Industrial Users). This sampling must be completed in the same month as the NPDES sampling requirement. As we were managing these sampling requests, we were also able to conduct our IPP inspections for the year.



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

### **Miss Dig Totals:**

Miss Dig Requests: 667

Miss Digs Marked: 110

Inspection Services: 7

**Projects:** The final cleaning and televising plan have been sent to Plummer's Environmental. Staff is working on a spot-lining plan for the year. A request for a bid has been sent out. The staff has continued to review 2023 CCTV data from Plummer's Environmental. A total of 273 defects were observed. Many of the defects are minor and require only continued observation. Others will require a repair, usually in the form of a spot liner. Staff continues working on a list of repairs for a long-term repair schedule. The staff has begun work on a 2026 and 2027 cleaning and televising plan.

Staff have reviewed plans for the Eyde development on Clark Rd in DeWitt Township. It was believed that a main could be extended from the development to capture an additional area East of Clark Rd. After staff surveyed the area along Clark Rd, it was determined that the cost benefit did not

justify extending the sanitary main any further East. The area East of Boichot Rd. would be better served by other means.

Staff have completed the yearly drawdowns at all the lift stations. Drawdowns gauge pump efficiency, and engineers use the information to improve the system's flow models.

Staff has begun inspecting manholes in the road project areas for 2024. SCCMUA works with the Road Commission to make repairs and external wrap manhole adjustment rings. As collection systems tighten up over the years, 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 database improvements. This project will improve the accuracy of the GIS and Lucity systems. Staff will continue to make improvements as time allows. Improvements include updating attribute data, rectifying the GIS with air photos, and creating layers for tracking backups, past repairs, and future repairs.