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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

At station 201 in Bath, crews have continued the maintenance plan of pulling each pump and evaluating repair needs. The pumps have been operating for 11 years and some wear items need to be addressed. This station is responsible for moving all of the Bath flows. Due to its critical nature, we work to be as proactive as possible. At this point, the pump volutes appear to be taking the brunt of the wear; staff has worked to rebuild these areas and get them coated with a specialty product to help extend their useful life. There is still one more pump to evaluate and we are hopeful to complete it yet this year.

The new control panel that was built has been installed at station 213 in Bath; the previous panel had severe damage from corrosion. This also allowed us to move the panel to a safer location as it was extremely close to the wetwell.

The recent odor control success related to H2S that utilizes ozone, has continued with a system built and installed at station 208 in Bath. This station has had a long history of odor issues and its proximity to

### Administration

This month staff met with bond counsel and financial advisors to discuss the plans and needed information to secure the SRF funds, if granted. This was done to ensure all parties were on the same page and that all required information was gathered. We want to ensure there are no surprises as we anxiously await the release of the project list to see if the SCCMUA project will make the cut.

It is nearing the season when our benefits will be evaluated. Our current benefit packages have been working well besides our dental coverage, which now many providers will not accept. We have shared

the neighbors makes it even more difficult. Although we have been reasonably successful in using mixing in the wetwell (which has drastically helped), the odor can still be present and unpleasant. Ozone has been used in this application for some time and has effectively eliminated the odors released.

With the end of summer quickly approaching, the crews are gearing up for the fall generator maintenance program and easement clearing. Both are done in late summer/early fall to address issues before transitioning to the cold weather. Easements are cleared of overgrowth and debris that may have fallen during spring and summer storms. The generators are prepared for the cold weather by ensuring block heaters are operational and battery conditions are attested. The cold weather will find weaknesses in these systems.



this info with our third-party benefit representative and they will be providing us with options.

The last of the community meetings to present the 2023 proposed budget will be completed on August 15<sup>th</sup>. Currently, there have been no concerns with the budget and the municipal partners have given thanks to our staff for their continued hard work.

## **Process—Making it Clean**

NPDES Permit: All permit requirements were met. Total precipitation for the month was 2.42".

The staff has been busy with different projects and PM work around the facility. Currently, the team is busy rebuilding most of our sludge system valves throughout the main building. This task involves the removal of the valve, replacing the inner components of the valve for a proper seal, and reinstalling the rebuilt valve. As time goes on and the valves are continuously in service and being operated, the more wear and tear the valves accrue, causing them to slowly leak or let flow pass when in the shut position. Rebuilding these

valves is a very cost-effective way to repair them vs total replacement of the valve. The savings is roughly ¼ the cost of a new valve.

Staff has been troubleshooting our east digester boiler due to a failure to maintain the desired temperature setting. The optimum temperature range for sludge digestion is between 95 and 131 degrees Fahrenheit. We try to keep our sludge temps between 96.8 and 97.5 degrees to stay in the desired range while not wasting gas and energy to run the boiler. We are struggling to keep our boiler at a consistent 96 degrees. Troubleshooting the

boiler for this issue, along with help from an HVAC contractor, is beneficial in more ways than one. We will get back to our desired temperature settings but also gain knowledge we otherwise might not have had the chance to achieve.

The staff has prioritized and scheduled different PM work and projects to tackle as we move toward the end of the year. Some events that will take place in the coming months will be land application of our biosolids, yearly sampling of our effluent, influent, and biosolids, along with site visits and sampling events of our Significant Industrial Users.

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

### **Miss Dig Totals:**

Miss Dig Requests: 316

Miss Digs Marked: 45

Inspection Services: 6

### **Projects:**

DeWitt Township master plan work continues. Staff has been gathering requested information for engineers.

Bath Township master plan work also continues.

Staff has been reviewing the cleaning and televising completed by Plummer's Environmental from last year. Information from the televising will improve collection system management and repair decisions. Cleaning and televising maps have been supplied to Plummer's Environmental for this year.

Improvements to the GIS and Lucity databases has been placed on hold for the month. 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.

Thomas Farms: Phases 1A & 1B have been completed. Phase 1A passed all the testing. Engineer is working on record drawings. Phase 1B has been completed. Phase 1B mandrel and air test have passed. The manhole vacuum testing has not gone well. The contractor is working to resolve the problem. The engineer is working on record drawings. Plans have been reviewed and approved for the next phase.

