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Southern Clinton County Municipal Utilities Authority

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

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Maintenance—Keeping Things Humming

Easement clearing was completed this month with some extensive work by our crews. Crews reclaimed some easements that were quite overgrown. In the past, property owners maintained them but this has fallen off or they decreased the maintained area. All known easements are now accessible with proper equipment in case of emergencies.

Annual generator maintenance was also finished this month, completing annual PM work along with testing and repairs based on the testing. One of the generators that needed repair was at station 402 in Wassertown, where a failed isolation transformer caused the generator to be unresponsive when loaded. This was repaired by a combination of our staff and vendor assistance.

This month crews responded to an array of power outages in the system; they seem to come in waves. Crews responded appropriately and quickly and no damage or backups occurred.

The Clearwell was drained and cleaned. This annual maintenance task requires the

tank to be drained and solids to be vacuumed out and disposed of. This is a day job with the entire maintenance staff on hand to pitch in. The cleaning is required to prevent solids from being put back into the filter system and ultimately keep the solids from plugging up the non-potable system in the plant.

New controls and telemetry were installed at stations 111 and 114 in DeWitt Twp this month. This is an ongoing project to break the radio system up to reduce the load on one frequency and increase the ability to gather accurate data.



Administration

As 2022 is coming to an end, staff is waiting on healthcare quotes for the annual review of those costs and benefits. Some numbers are starting to trickle into other agencies in the area and double-digit increases are not uncommon. SCCMUA tries to budget for this potential, but it is hard to set these predictions 6 to 8 months before renewal periods. A practical benefit plan must be in place as it helps maintain employee morale. SCCMUA continues to stay under the State's hard cap and we hope for the same again this year.

The staff has met with members from Bioworks Energy to discuss a possible partnership to reduce the plant's dependence and cost to its energy providers by

utilizing on-site resources. Bioworks has been working on a proposal that will be brought to the Board this year.

CWSRF work is quickly ramping up to hit the target funding window of 2.0 or 2.5. By targeting this window, we hope to get the project to contractors early in the bidding cycle. The design has been sent to multiple contractors to provide peer review and look for areas where efficiencies can be gained. Aside from the Digester upgrade, this is the first significant project SCCMUA has undertaken on the Authority facilities built in the late 70s. The goal is to provide a viable treatment for the next decades.

Process—Making it Clean

NPDES Permit: All permit requirements were met. Total precipitation for the month was 1.96".

The land application of biosolids for our fall haul is complete. Biotech hauled a total of 969,000 gallons to be land applied. It took approximately seven full days of hauling to complete. The next hauling dates will occur sometime in the early spring of 2023.

The staff just finished a thorough cleaning of our scum hoppers that service our Primary Clarifiers. Once a year, the team pumps our thickened solids that have been skimmed off the surface of the primary clarifiers to our digesters for digestion. This is done to allow for more space in our scum hoppers for fresh non-recycled

scum.

The staff has been troubleshooting our east digester boiler due to the inability to acknowledge an alarm if one comes in. The digital display that allows you to reset an alarm stopped working after 17 years of being in service. Staff changed out the display and it is now functional with a spare on the shelf for when the other boiler display decides to retire.

Staff have been servicing and switching clarifiers in preparation for the winter rotation. We like to make sure the clarifiers are serviced in the fall; that way, they should be good to go and be able to make it through winter without any ropes or cables breaking. A while back, the

staff switched to synthetic winch rope over the braided nylon rope and it has proven to be the right choice as we have not had the artificial rope break.



Clearwell cleaning

Inspections—The Scoop on the Poop

Miss Dig Totals:

Miss Dig Requests: 343

Miss Digs Marked: 46

Inspection Services: 8

DeWitt Township and Bath Township master plan work continues. Staff has continued to gather the requested information for the engineers.

Cleaning and televising maps have been supplied to Plummer's Environmental for this year's annual maintenance. Work should begin within the next month. Last year, 49,645 feet of pipe was cleaned and televised. This year, 53,800 feet of pipe are scheduled to be cleaned and televised. The staff has continued to evaluate the televising from last year. Information will be used to improve the GIS system's accuracy and update the collection system's long-term maintenance program.

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. Some 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 has begun in Nottingham Fields of Watertown Township. A new developer has taken over the project. The current phase does not include any new sanitary sewer developments.

