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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

Maintenance crews are starting the winter scheduled projects, resulting from work or projects in the warmer months. Air relief valves are being rebuilt from our maintenance program we started this year. We are working to be as proactive as we can. Also, a list of pumps is in line in the shop to be rebuilt from projects this summer. The pumps will be dismantled, inspected, and parts replaced based on wear and continued viability.

One of our larger planned winter projects will be going through our portable generators. These generators are critical to our operation. The team will be working on adding dual voltage capabilities to all of the portables and going through more traditional maintenance items such as wheel bearing, brakes, and trailer electrical systems. There will be some painting



Portable Generator

involved as well. All this helps ensure the life span of the units is maximized.

Staff is also gathering data for two municipal partners to help with their master plan work for their respective collection systems. This includes drawdown tests on all stations and design parameters. Updated GIS profiles are also being done in correlation with this work.

Administration

SCCMUA staff has continued to meet with the design team to work through the overall design plan. We are working together to create the most cost-effective approaches without sacrificing any outcomes and additionally working with EGLE and the State of Michigan staff on funding mechanisms for the planned updates.

Year-end work is well underway. The previous year will soon be closed out and audit preparation begins with the audit scheduled for February.

At the end of the month, Director Gurski and Process Supervisor Nichols will attend the Wastewater Admin Conference in Frankenmuth and present on the SCCMUA modeling project. This conference high-

lights what is to come from EGLE this year and an overall insight into future hurdles.



Process—Making it Clean

NPDES Permit: All permit requirements were met. Total precipitation for the month was 1.84".

The RBC project is underway and moving along. Staff is currently in the process of inspecting/machining the shaft ends for proper sleeve/bearing fit. Proper sizing of the shaft ends and sleeves is critical to receive the prolonged life of the bearings. The real benefit of the machined sleeves is that they can be easily changed out when wear occurs.

The west digested sludge transfer pump that pumps sludge from the digester to the storage tank needs repair. SCCMUA staff noticed abnormal pump noise coming from the pump in service. Upon inspecting the pump for signs of wear or any noticeable issues, it was deter-

mined that the stator will need to be replaced. A new stator has been ordered and will be installed upon delivery.

The #1 main plant boiler has faulted out a couple of times and cleared itself within the last couple of weeks. After researching and getting some technical help from Thermo Solutions, staff found that the boiler wasn't getting enough natural gas. The team made the proper adjustments by adjusting the regulator and allowing more gas flow to the boiler. Now the boiler is in proper operating condition.

We have been doing some training throughout the lab and plant with a couple of new employees, which has been going great! The training starts in the lab getting

the employee knowledgeable and comfortable with running the lab tests independently. This usually lasts anywhere from 6-8 weeks. From the lab, they go to "Plant Check," which consists of checking pumps, hour meters, flow meters, and recording all daily plant check data, along with the knowledge of why we check the things we do and the importance behind it.



Insituform Liner installation

Inspections—The Scoop on the Poop

Miss Dig:

Last month, Miss Dig launched their new ticket management system developed by Pelican Corp. The change has brought many growing pains and some additional work on our end. The new system has the potential to reduce ticket and marking load. The current system does not have the ability to run reports.

Inspection Services: 10

Plummer's Environmental delivered all the 2021 cleaning and televising project videos. Staff will begin reviewing the videos once the GIS updates are complete.

Insituform completed the installation of full reach liners in the Watertown 18" main interceptor along Herbison Rd from Airport Rd to the plant.

Staff continues to work on improving the GIS and Lucity databases. Missing data is being

added, while inaccurate data is being corrected. Accurate and complete data will help facilitate proper system modeling.

DeWitt Township

Thomas Farms: Sanitary sewer for phase 1A has been installed, and all testing has been completed and passed. Phase 1B is still in the development stage.

