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## Southern Clinton County Municipal Utilities Authority

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### Inside this issue:

Process—Making it Clean 2

Inspections—The Scoop on the Poop 2



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"The Clean Water People"

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### Maintenance—Keeping Things Humming

At LS 208, an idler pulley failure on a generator caused some damage on a scheduled run cycle. This generator is the oldest in our fleet and parts have been difficult to track down. Fortunately, the parts have been sourced. Parts received have been installed and the remainder are due to arrive by the end of the week.

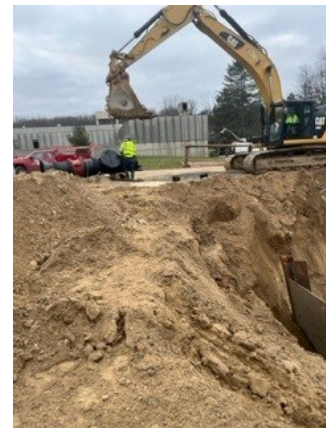
During our weekly exercise, it was discovered that the main plant generator had a failed block heaters. We were able to locate one through one of our distributors, and the new block heater was received and installed.

A bad battery on the LS 117 generator has been replaced. A bad battery charger on the LS 217 generator was also replaced. As you can imagine, a lot of time and effort is spent on generator maintenance.

The team decided to switch out our collections truck with one of the maintenance trucks. This decision was made because the collection truck is driven more miles

than our maintenance truck. These trucks are the same age. The goal is to keep the replacement schedule similar as well by balancing the miles and usage.

During routine maintenance cleaning rags from the pumps at LS 201, the crew noticed a leak at one of the connections in the piping on the #2 discharge inside the wet well. We made an entry and are getting a plan and parts to fix this connection.



UV fittings and crane base

### Administration

The SRF plant project is still moving along. Process did slow a bit over the holidays due to two shortened weeks as many of the contractors took time off between the holidays. The mild weather has allowed things to continue relatively seamlessly. Usually, winter would have a formidable hold on things, but underground work has continued, and concrete

has continued to be poured. Projects of this size and complexity yield significant time from staff. Issues found daily require quick

and adequate decision-making to keep the project on budget and on time.

SCCMUA is now back to being fully staffed; as we have added three new members in the last five months. It's good to have the numbers back, although training will be ongoing for many months. All new hires have been good additions to the team. All come with varying backgrounds, which will be beneficial to our operations.

As we turn the page to 2024, we are starting to think about the 2025 budget. The team is working on verifying numbers and deciding on plans to be submitted to the budget process. This will ramp up after the audit at the beginning of February.



## **Process—Making it Clean**

**NPDES Permit:** All permit requirements were met. Total precipitation for November was 2.32".

The team has been busy with scheduled maintenance work and all unscheduled issues that pop up at any given time. Routine greasing and scheduled pump rotations are weekly items. Team members adhere to a strict maintenance and rotation schedule to prolong the life of the equipment in operation. A recent unscheduled item that has been checked off the list is a hot water circulation pump that supplies hot water to the eastern end of the building. This pump was replaced due to a bearing failure. The pump taken out of service, will be rebuilt and placed on the shelf as a backup.

The team will soon be prepar-

ing to take the B2 RBC train out of service for inspection and perform any necessary repairs. Team members have inspected all trains, replacing diffusers, bearings, and also repairing any shaft ends that needed repair. Now that all trains have been inspected and thoroughly repaired, we are planning to take one train down each year for a visual inspection to clean and attend to any additional needed repairs found upon inspection.

Recently, during daily rounds, a team member discovered the sump pump at Sandhill lift station was not working. It was replaced with the backup pump and a new backup was ordered. Staff also came across the ferric feed pump, which was leaking, and identified a worn

ferric feed line as the issue. The line was replaced, and the pump was put back into service. While out on daily rounds, staff focuses on data retrieval and also make note of anything unusual, such as smell, sound, and anything visual. This practice helps to catch potential needed repairs early, thus lessening the damage or effects of the issue.

The team has responded to numerous needs with the contractors at the plant. Much of the old infrastructure in the ground at the facility is not well documented, and lines have not always been where built as originally indicated. This has been a great learning experience for much of the team. Working to identify solutions and finding ways to isolate lines identified to make them safe for excavation is a great practice for the team.

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

### **Miss Dig:**

Tickets received: 247

Tickets marked: 41

Inspections: 5

### **Projects:**

Miss Dig tickets were up from last month. Many of the tickets we receive are for work near a building or in the yard outside the area we are required to mark. Other tickets do not require marking when the stated depth of excavation is well above the sanitary main or lateral.

Shadybrook phase III work has been completed. The contractor has completed all testing. The team completed an inspection of the manholes. Staff reviewed the completed record drawings. A recommendation to accept the sanitary sewer was sent to DeWitt Township. We have been contacted by a contractor for future buildings in the new subdivision. Staff will be spending a lot of

time in Shadybrook during the next construction season.

The sanitary sewer to the new Ace Hardware on Saginaw in Bath Township has been completed. Testing has been completed and passed. We are still waiting on record drawings from KEBS.

Plummer's Environmental has completed this year's annual cleaning and televising. Plummer's delivered the video from the CCTV work. The team has not been able to start reviewing the data yet. Data from the videos will be used to update capital improvements to the system.

Work on the data collection for Prein and Newoff has consumed a lot of time this month. In addition to taking the raw SCADA data and converting it into a usable record of pump starts and run times, staff has also been going out into the system to verify information.