



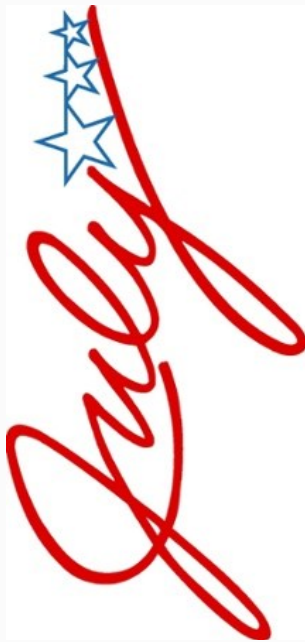
July 11, 2024

## Southern Clinton County Municipal Utilities Authority

Volume 17 Issue 7

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### Maintenance—Keeping Things Humming

During our routine checks, one of our crew members found that the generator battery at LS 221 had failed. The battery and the battery tender have now been replaced. Also, on one of our portable generators, we discovered that rodents had gotten into the control board and chewed up the wiring, not allowing it to start. The wires were replaced, and this piece of equipment is also back to being operational.

At LS 304, the crew installed a new valve and checked the valve assembly to match the other side. This new assembly has noticeably improved the pump's function and efficiency.

Exploring the elevation of the 201 force main is still ongoing and will help us find the best possible spots to install air reliefs. We are hopeful that our efforts will yield a significant improvement from the current operation. The team will be working to get bids from contractors for this work to be completed before the snow flies.

During a station run, the crew found that the low float at LS 217 had a cut in the wire. This station is known for having excessive hair, dental floss, and rags. The cut more

than likely happened from excessive weight hanging on the float or from the removal of debris on it. Our crews must be careful removing this debris, as sharp objects tend to hide in debris balls that collect on floats and pumps.

During the excavation for part of the new grit removal, the contractors hit and broke one of our 4" non-potable water lines. The crew shut down the line and located the materials needed to repair it. The team got it repaired, and the contractor was able to get back to what they were doing in a timely



### Administration

Between the end of June and the beginning of July, a significant portion of our staff takes family vacations, particularly on the fourth of July. With this also being the week that no high-school practices can take place, this is largely the only time for families to take time away without negatively impacting other obligations. SCCMUA understands this and works with all members to accommodate the much-needed time off to prevent burnout. During this time, all members chip in to take on any task to cover for those who are on vacation. We greatly appreciate everyone helping to cover this.

The admin team has been working with Bio-works on planning as they prepare to start installing and building their infrastructure to get the CPH (Combine power heat) project

up and running. The team is ready for the project as we look to become self-supporting regarding energy consumption.

The plant upgrade project is about to hit a critical point as we look to enter into a bypass of the station. This will demand a push from everyone involved to keep timelines and prevent any issues associated with the bypass. We are confident in the plan, however, there are many variables that can increase the length of time and or cause a disruption to the bypass itself. The SCCMUA team is ready, and we will make sure the contractors have the same sense of urgency to keep things moving.

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## Process—Making it Clean

NPDES Permit: All permit requirements were met. Total precipitation for the month was 4.098".

SCCMUA staff members have been keeping up on scheduled preventative maintenance measures such as oil changes, greasing, equipment rotations, filter and belt replacements, and any other regularly scheduled maintenance items required to keep the facility's equipment running smoothly. We have replaced circulation pump couplers on the backside of the main plant boilers. These are used to circulate water throughout the boiler. Ferric Pump issues were investigated after the pump tripped out multiple times in a short amount of time. The cause was determined to be ferric, which had slowly leaked out of the pump tubing and into the pump housing, causing operational issues as ferric is highly corrosive. Generators at

the Plant and Sandhill are run regularly to ensure proper exercise and operation. All plant equipment at the current time is in proper operation with no known issues.

The East Secondary Clarifier, as part of the current Plant Upgrade Project, is back online. Updates included two new Scum Skimmer arms to skim the scum from the surface of the water into a new scum trough. The new trough has a built-in wash-down system to automatically rinse water down the trough after every pass by for cleaning purposes. This will be a more efficient way of scum removal as our previous design only had one skimmer arm. A new feed well (inner ring) and a new rake arm were installed at the bottom of the tank. The new sludge rake arm is a curvature

design that constantly pushes the sludge toward the recycle sludge pit in the center of the tank from the outer walls.

The Tertiary Filters are transitioning from anthracite media to cloth media disk filters. One tank has been prepped, and another has been cleaned out and is currently being prepped for new filters. Once installed, the third tank will be cleaned out and transitioned to a filter bypass tank. The filter bypass tank will allow for filter flow bypass when needed in the case of unexpected issues where a tank has to be drained for maintenance.

The entire team is excited for new things to come with all the project upgrades and look forward to operating and maintaining the newly upgraded treatment process as they are completed.

## Inspections—The Scoop on the Poop

### **Miss Dig Totals:**

Miss Dig Requests: 615

Miss Digs Marked: 172

Inspection Services: 10

- 7 new connections
- 3 Repair

Site plans for Meadowbrook West Phase 2 North of Forestview Drive were reviewed by staff. The development proposes 1,185 feet of new sanitary sewer to service 47 additional lots. The concept was found to be acceptable with comments and the requirement for profile views for further review.

Site plans for a gas station / convenience store at the corner of Webster Rd and Food Court Dr were reviewed and comments returned. A sam-

pling manhole and external grease interceptor will be required.

Staff spent much of the month Miss Dig staking for three large boring projects. Thankfully, members from other departments were able to give a hand. All stackings were completed in the required time frame of the tickets.

