



July 18, 2023

Southern Clinton County Municipal Utilities Authority

Volume 16 Issue 8

Inside this issue:

- Process—Making it Clean 2
- Inspections—The Scoop on the Poop 2



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

3671 W. Herbison Rd.
DeWitt, MI 48820
517-669-8311
www.sccmua.com
www.facebook.com/
sccmua

Maintenance—Keeping Things Humming

Generator repairs continue in the system, with the most significant at station 501 in DeWitt Twp. Testing ahead of storms revealed a no-start issue. The staff got a temporary generator set and diagnosed the failed generator. Ultimately, a local vendor was called to help and with their help, a faulty board was found. Luckily, we had a board on hand to make the replacement and get things going ahead of the storm.

This month had some unplanned excitement when a contractor working in Bath Twp inadvertently bored through a force main. This required an emergency repair conducted swiftly by SCCMUA staff and a local vendor. The process disrupted no services and the contractor has taken responsibility.

During the heavy rains this month, crews responded to multiple water issues, including a construction site in DeWitt Twp where poor site upkeep led to a significant amount of surface water getting into the sanitary system. This resulted in our crews working late into the night to try to stop the water and sediment from getting

into our system. The contractor made the appropriate changes after the event had subsided and cleaned the system to remove sediment or debris that got into the system.

Some collection-related repairs related to flow channels in the system have been repaired, along with making plans to repair more this year to help prevent debris from building up in the manholes and benches. These issues have caused back-ups in the past.



Administration

This month, the team has been working through filling positions made available within our operations. We have seen an excellent response to our posting, which is encouraging. Staff have also been working through the submittal for the project, which is planned to start this month.

With many changes in the works, SCCMUA is opening its eyes to some new staff structuring within the group, as retirements will be very impactful moving forward.

There has been lots of exciting news within our municipal service area, prompting additional meetings and coordination to react appropriately if and when projects

begin.

With the retirement of our Maintenance Supervisor, multiple internal candidates expressed interest in the position. With all having capabilities, an internal candidate was chosen and we will now need to fill the operator position.

Process—Making it Clean

NPDES Permit: All permit requirements were met. Total precipitation for the month was .87".

The Sandhill pump was removed, repaired, and reinstalled back into operation. The staff took time thoroughly prepping and fixing the crack along the upper portion of the volute. The repair was ground, sanded, and filled with a 2-part composite for metal repair and resurfacing, based on solvent-free epoxy resin reinforced with silicon steel alloy.

Operationally, the plant has been running great; operators have been keeping up with routine maintenance throughout the facility and any unsched-

uled maintenance that may arise. Flows have been steadily lower due to the lack of rain this summer, but staff have been staying on their toes attending to power outages throughout our service area, mainly caused by small pop up storms moving through.

The staff has replaced the sump pump at Sandhill lift station as it was found not to be pumping by an operator making rounds on his weekend. This pump receives seal water from all three pumps and pumps it into the wet well. Staff also rebuilt one of our hot water recirculation pumps as it was found to

have a seal leaking. This particular pump recirculates hot water throughout the heating and cooling system of the facility. Staff will soon be making their way into the RBCs to rebuild shaft stub ends.

All required DMRQA Study 43 tests have been run and will be submitted within the next few days. It generally takes a couple of weeks to receive the results of our tests. The DMRQA Study not only measures the accuracy of our in-house laboratory but also the accuracy of all outsourced labs SCCMUA uses for parameters not tested for onsite.

Inspections—The Scoop on the Poop

Miss Dig Totals:

Miss Dig Requests: 407

Miss Digs Marked: 57

Inspection Services: 10

The staff has continued attempting to identify potential infiltration sources into the DeWitt collection system when time allows.

Shadybrook Phase III is underway. The contractor finished most of the site work and has started installing sanitary sewer piping. Sanitary sewer piping installation will be completed in early August. Air pressure testing will be completed a week after installation.

DeWitt Township and Bath Township master plan work continues but finally draws near the end. Staff has continued to gather the requested information for engineers. They have been working on feasibility studies for future system expansion.

Draw down tests have continued at all of the stations. Testing will be completed in August. Drawdown tests are another method

to check the effectiveness of the pumps. Crews time how long it takes to fill and pump down a certain amount in the wet well, typically one foot. Each pump is tested three times and then averaged to get the best representation of the effectiveness of the pump.

As Clinton County Road Commission contractors begin working on the 2023 road projects, SCCMUA crews are checking the manholes in the project areas for debris that may have fallen into the manhole.

Nottingham Fields' development has remained at a standstill for the past few months. The developer is working on a plan to correct all the deficiencies. Work should be completed by the end of July or first week of August.

The staff has completed several additional Miss Dig training modules