



October 20, 2020

Southern Clinton County Municipal Utilities Authority

Volume 13 Issue 10

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

The big project for the maintenance staff this month was the rehab of station 205 in Bath Twp on Park Lake Rd. This project consisted of complete equipment replacement in the wet well including isolation valves, pumps, pump bases, rails, and piping. The control panel was also replaced. The project was completed mainly in-house to provide an affordable solution to the Twp and its users.

Since the VFD was not needed, a soft start was installed at a much lower cost vs. a new VFD.

Crews have also spent time looking for inflow in suspected hot spots. These are very hard to find and often are only found when the opportunity presents such as significant rain events to identify inflow sources.

Annual generator maintenance has continued with expected completion before the end of the month. This maintenance is everything from oil changes, battery and coolant checks, system checks, and rodent control. This time of year is prime time for rodents to look for a new home for the winter months and warm generator housings make excellent homes. However, these rodents are very destructive and costly to wiring and circuit boards.

At station 405 in Watertown Twp, a VFD failure occurred which caused a late-night call in. The circumstances which caused the failure are still unknown. VFD's tend to have a short life span in relation to the pumps they control. In this case, the VFD was 13 years old and was not used as a VFD, only utilizing the soft start capacity.



SH pump with new style seal

Administration

SCCMUA worked with our grant team to complete the EDA grant submittal process before the due date. This was accomplished with help from regional partners along with consultants.

the norm this year.

Most of the SCCMUA projects are wrapping up for the year, and now the fo-

cus is punch list items and closing out another successful year.

This year has gone by quickly and healthcare quotes have started to trickle in. We hope for a small increase in renewal costs, which seems to be



Process—Making it Clean

NPDES Permit: There was a NH3 daily violation, but all other permit requirements were met. Total precipitation for the month was 4.28".

The staff has been keeping busy with routine maintenance and replacing or rebuilding equipment as the need arises. Sandhill Pump #2 has been rebuilt and is in the process of being reinstalled. Once installed, all three pumps at Sandhill will be running with cartridge seals, thought to be a better fit for the atmosphere in which they pump. (See picture on page 1)

We have purchased another

blower to run in parallel with the current #4 blower. These blowers provide air for our aerated grit removal, as well as the secondary clarifiers. This added blower will serve as a backup and help prolong the life of the already existing blower by alternating blowers week by week.

SCCMUA has also purchased a new recirculation pump for our sludge system in the new digester. The west recirculation pump has been online for 14 years and the new one will act as a backup. Last month, we had to replace the east recirculation pump,

which had also been in service since 2006.

Our sludge haulers should be out within the next couple of weeks to start hauling; the tank is beginning to fill up.

Staff has been sprucing up some buildings and structures around the premises with fresh paint that was starting to look faded. We began to address the seams on the new storage tanks that were not correctly finished when the storage tank was completed. The seams show up to 1" gaps that are covered and sealed. We have temporarily bandaged them and will permanently fix them next spring when we get longer spells of warmer and better weather.

Inspections—The Scoop on the Poop

Miss Dig: (2020/2019)

Miss Dig Requests: 530/482

Miss Digs Marked: 120/97

Inspection Services: 13/7

Projects:

DeWitt Township

Redwood Living: Work has begun. Contractor has connected into the manhole on Clark. It is an apartment complex that will connect to the DeWitt Twp system, but remain private.

Quarry Village: Pipe installation has begun. The first half of the sanitary sewer has been installed. Due to tight working conditions, the underground contractor is in the process of installing additional underground utilities in the first half of the project. This has allowed the building contractors to get started on the first buildings. Quarry Village is a multifamily development that will connect to the DeWitt Township system, but remain private. The remainder of

the sanitary will be installed starting mid October.

102 Interceptor: This project has been completed with final grading left to be done.

Bath Township

Meadowbrook West II: No change. Testing has been completed and passed. Record drawings have been submitted and are under review.

Webster Rd Extension: Pipe has been installed. Testing has been completed and passed. KEBS is working on record drawings.

Whitehills Woods North: Testing is completed and passed, preliminary record drawings were submitted and approved.

City Of DeWitt

Oaks IV: No change; testing has been completed and passed, still waiting for rec-

ord drawings. C2AE has sent a request to the engineer for record drawings.

Wildflower Condos III: No change; testing has been completed and passed, still waiting for record drawings. C2AE has sent a request to the engineer for record drawings.

Wildflower Subdivision III: No change; testing has been completed and passed, still waiting for record drawings. C2AE has sent a request to the engineer for record drawings.

Watertown Township

Lakeside Phase 11: No change. Waiting for record drawings to be submitted.

Deer Creek III: Testing has been completed and passed. Waiting for record drawings.