



January 21, 2020

Southern Clinton County Municipal Utilities Authority

Volume 13 Issue 1

Inside this issue:

Process—Making it Clean 2

Inspections—The Scoop on the Poop 2

Maintenance—Keeping Things Humming

PLC's control every lift station in our system. They are responsible for the pump on and off setpoints as well as communicating vital information to the SCADA system that is monitored remotely. At station 102, a program was redeveloped to restart pumps after an over or under voltage situation occurred. This would allow the pumps to reset after a minor or momentary power glitch which is very common on that particular system. By doing this work, we reduce the risk of backups and downtime.

The flowmeter at station 203 in Bath, was repaired after an apparent over voltage issue. This will be under warranty as the station was put in service in late 2018. This station, along with equalization that was designed in the project, has changed the operations of the system in wet weather

dramatically. The system now allows SCCMUA staff to control the downstream discharge by holding water in the equalization basin. This has been pivotal to avoiding backup potential in Bath and controlling flows in both DeWitt Twp and Bath Twp.

A rash of failed smaller pumps hit during the holidays. Station 115 in DeWitt Twp had both pumps fail within days. Staff was able to move a few pumps around to get by and locate some replacements within the country. Unfortunately, this has become the new norm with some pump manufacturers. In addition to LS 115's failure, a similar pump failed at station 220 in Bath Twp. This pump is in the process of being replaced and a backup pump is in the failed pump slot.

High flows and weather prompted crews to dou-

ble check all emergency equipment and stage equipment in case conditions warranted operation. Most of this was related to backup power. Many stations have standby power but some do not, and portables have to be mobilized to provide power.

Planning is well underway for yearly pump maintenance along with station rehab. SCCMUA is working to enhance its abilities to service pumps in house to provide quicker turnarounds on minor repairs with considerable cost savings.

Administration

Staff continues to provide information to Moore & Brugink for the facilities plan which is anticipated to be completed by the end of the first quarter.

The staff has been working on year-end and preparing for the audit scheduled for the first week of February.

The roof project has been

closed; a few leaks have been found, but the contractor was quick to come and fix those issues.

Budget numbers for equipment costs are being solicited to verify CIP costs for the upcoming 2021 Budget.



Bore pit under I69

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

Process—Making it Clean

All parameters of the NPDES permit were met.

During December, we recorded a total of 2.95" inches of precipitation.

We have been keeping up on preventative maintenance work around the plant. The west Primary Clarifier has been serviced with new clamps and steel cable and is now ready for operation. The Clarifiers operate roughly six months before new cable and clamps need to be installed.

The Tertiary Filters were also serviced in December. When maintaining the filters, staff get down inside the filters and measure anthracite depth and

replenish as necessary. They inspect the spray wash arms for necessary bearing replacement or nozzle replacements and evaluate the piping and structure of the filter itself.

The Brentwood Accufas System is in its first stage of installation. This will be a slow and steady installation as they navigate uncharted waters installing the Brentwood system into an RBC tank. This does create some delays as it is custom fit into our arrangement. But, our staff has the knowledge and skills needed to install this to Brentwood's specs and they enjoy the challenge.

The rain/ice event on 1-11-2020 hit us with over 2 inches of rain and had a crew at the plant throughout most of the weekend. We had staff taking the necessary steps to minimize the impact on the plant. Operators were out tweaking settings at crucial stations, but all in all, we were very pleased with how our staff, facility, and system were able to handle it. This was the second time in 2 weeks we have had over 2 inches of rain causing long hours and high flows. The later of the two events was longer in duration, partially because the precipitation fell on already saturated ground.

Inspections—The Scoop on the Poop

Miss Dig:

Miss Dig Requests: 257

Miss Digs Marked: 57

Annual totals:

2019—5088 total tickets, 1036 marked. 2018—4993 total tickets, 1245 marked.

Inspection Services: 6

2019 total—103

2018 total—130

Projects:

DeWitt Township

DeWitt Crossing South: All testing has been completed and passed. Waiting for record drawings.

102 Interceptor: project has started with dewatering wells operating and boring to begin next week.

Bath Township

Meadowbrook West II: No change. Testing has been completed and passed. Waiting for record drawings and easements.

Whitehills Woods North: Started installation of sewer.

Chandler Lofts/NOCA: All pipe and air testing has been completed. Prelim mandrel passed.

City Of DeWitt

Oaks IV: No change, testing completed and passed. Still waiting for record drawings. C2AE has sent a request to the engineer for record drawings.

Wildflower Condos III: No change; tests have been completed and passed. Still waiting for record drawings. C2AE has sent a re-

quest to the engineer for record drawings.

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

DeWitt Senior Living: No change, the project is nearing completion. While the sanitary system will remain private, the system needed to pass SCCMUA testing requirements. All tests have been performed and passed. Waiting for record drawings.

Watertown Township

Lakeside Phase 11: no change. A manhole vacuum test is the last test to be completed. Record drawings need to be submitted.