



February 19, 2020

## Southern Clinton County Municipal Utilities Authority

Volume 13 Issue 2

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### Maintenance—Keeping Things Humming

2020 started where we had left off. A few pumps have had failures and required repairs while others were replaced. One of the more significant was a larger 60hp pump from station 202 in Bath. This pump had work done to it late last year but upon reinstallation, an intermediate short in the control wire was found and a new cord had to be ordered and replaced. The pump is now back in operation.

Another failed pump in Bath was at station 220. That pump is going to be repaired. A new one is ordered as both pumps at that station have been in service for over 16 years.

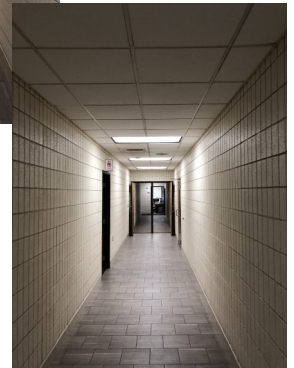
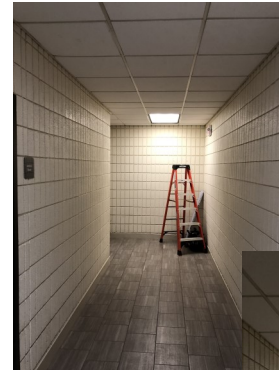
With the recent snowstorms, we have had snowplows dislodge a couple manholes. This happens from time to time and we work with the road commission to make the repairs.

Generators continue to require repairs; our staff has gotten outstanding in handling these repairs and finding cost-effective parts. A new radiator was built for station 404 in Watertown and a faulty voltage regulator was replaced at station 116 in DeWitt.

A third VFD was installed at station 501 to allow us to rotate between 3 pumps. The station has always had three pumps but one was on float back up. We will keep that function but be able to rotate all three pumps for daily operations. This will help ensure reliable service and offer better coverage for redundancies. We will also be upgrading the radio system at 501. This will go on the new system

installed last year and will allow for more reliable tracking of additional data. In addition to communication, the programming sequence will be programmed to enable us more flexibility in wet well operations, pump rotations, and speed.

Mark McCracken is installing all new LED light bulbs throughout the facility. They were purchased and qualified for rebates and a savings over repair of existing lamps as well as the savings in electricity costs. They are also a brighter light.



### Administration

Budget work has continued with CIP pricing and reorganization of the fixed asset list. Staff will continue work on the 2021 budget and will finalize it when the facilities plan is complete.

Auditors from Maner and Costerisan were here the first week of February. They were in for two days this year and will be presenting at the April

Board meeting.

Director Gurski and Process Control Supervisor Nichols attended the Wastewater Administrators Conference at the end of January. This conference is one of the best and held annually to give an update from EGLE both on regulations and compliance issues along with new techniques and equipment.

Most of our operators had the opportunity to attend the Joint Expo at the Lansing Center the first week of February.

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## **Process—Making it Clean**

All parameters of the NPDES permit were met.

During January, we recorded a total of 3.59" of precipitation. January's flows were the second-highest monthly flows ever at SCCMUA, processing 123.15 million gallons of water with a daily avg flow of 3.9 MGD. In April 2017, SCCMUA processed 127.27 million gallons which are the highest flows ever recorded.

The Brentwood Accufas project is underway. Brentwood and EDI are each sending one representative to our facility on February 19, 2020, for inspection of the air header system. Once approved, we will have the go-ahead to start installing

the plastic media over the top of the air header system. This essentially will be the last piece for the installation of the Brentwood system.

We installed a newly rebuilt rotating assembly in our T6 mud well pump. With the flows that we have had lately, our mud well pumps get quite the workout. New/rebuilt parts are kept on the shelf. When the rebuilt rotating assembly goes in, the old rotating assembly comes out to be rebuilt and is put back on the shelf. We have also installed a new gas compressor in the digester building. The one we replaced had failed seals and required

maintenance.

We recently replaced the monitors that we view the Plant and Lift Station telemetry on in the main lobby with much larger ones. This not only makes it easier for the user to view but will be an added benefit for groups working together on the plant or lift station computers. The computers record and follow trending, making record keeping and problem-solving easier. Some of the recent additions to our Plant SCADA include monitoring the air pressure output from our blowers to the RBC's, mudwell flow totalizer, high and low outdoor temperatures, along with a heated tipping bucket to record our precipitation totals.

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

### **Miss Dig:**

Miss Dig Requests: 252

Miss Digs Marked: 77

Inspection Services: 14

### **Projects:**

#### **DeWitt Township**

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

Quarry Village: Revised plans were submitted and reviewed. The plans met SCCMUA standards. Quarry Village is a multifamily development that will connect to the DeWitt Township system, but remain private.

102 Interceptor: The bore casing is through the south side of I-69. The mild winter is not helping progress but the contractor is determined to work through it.

#### **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 with very wet conditions. The pipe has passed low pressure testing.

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: Record drawings have been supplied. The sanitary will remain private.

#### **Watertown Township**

Lakeside Phase 11: Manhole vacuum test has been completed. One manhole did not pass the first test. Repairs were completed and the manhole passed the second test. Record drawings need to be submitted. Manhole inspections need to be completed.

Bids were opened for the Airport Rd. sewer extension.