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## Southern Clinton County Municipal Utilities Authority

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### Maintenance—Keeping Things Humming

Generator repairs continue with the generator at lift station 301 in the City of DeWitt. After a call from the City's DPW that the generator was leaking, a failed water pump was changed and the radiator was replaced as the tank had cracked. Additionally, a new circuit board was installed at station 217 in Bath. Circuit board failure is relatively common, but since we have found a company to repair them very inexpensively, we keep an extra on the shelf as generators are critical to the operation.

A new internal drop was installed in the failed force main drop at Park Lake Rd and Colman Rd. The internal drop was installed utilizing plastic pipe with an open drop bowl for visual inspection. This works better as all the connection are accessible from the inside of the man-hole.

Staff rebuilt a pump for station 213 in Bath Twp. Staff will rebuild the wet end of pumps, but if it gets into the electrical components, those are sent to a certified motor shop.

The new radio system in DeWitt Township is working great with no failures and decreased talk times. This gives us more reliable data and decreases false readings

in the trending. The new system will be programmable by SCCMUA staff. All components are locally available.

Two new pumps at station 110 in DeWitt Twp. have been installed. These pumps replace the very worn pumps that have been in place since 1992. That is almost unheard of to have a submersible last that long with little to no failures. We hope we get that amount of life again from the replacement pumps.

Prep work at station 402 for the replacement generator has begun with concrete being poured and conduits installed.



Stripped A Train in RBC's

### Administration

The RFP for a facilities plan has been sent out with the anticipation of settling on a firm in September. The timeline for completion would be the first quarter of 2020.

Director Gurski attended training at the MSP headquarters for the use of the States MICIMS system. This is used to communicate critical information in

emergencies. It is very useful for tracking data and communicating with the proper authorities in emergencies.

The "Scrape the Plate" campaign has been going great with nearly 500 grease cups taken by residents. The message is to scrape leftover food and grease into the trash versus running it down the drain. Many folks have

stated they never realized the potential consequences of improper grease disposal. More and more publicity has been exposing residents to this issue, such as the fatberg in Macomb County.

An RFP was also issued for banking services. The Authority currently uses Mercantile Bank, but they are closing their DeWitt location.

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## **Process—Making it Clean**

All parameters of the NPDES permit were met.

We have pumped out the A1 tank in the RBC's and are preparing to enter and clean out the tank. We have T.H. Eifert lined up to come in and remove the broken RBC shaft after the tank is cleaned. The new Brentwood system has been ordered and will be installed by our employees after the broken RBC has been removed.

We took the #2 motor from Sandhill Lift station in to be rebuilt and recently got it back and put back online. We can now go ahead with the next project at Sandhill and pull the #1 pump to be taken in for rebuild. Taking primary pieces from Sandhill is a little like a chess match; you have to wait for the absolute best time to

move that piece. Weather can be the defining criteria for determining when this can be done and the anticipated time frame.

The staff has also installed some housekeeping concrete pads to stop dirt and debris from getting onto the roadways and building entrance. This prevents mud from forming and allows grass and landscape areas to be better kept along with controlling storm run off.

A VFD has been put on the sample pump to decrease the cost of operation and control the flow, which is delivered to the sampler. In the same scope as reported earlier this year, our power factor had been decreasing into the high seventies. With some

investigative work and data gathering, we have been able to bring that number up to eighty-five.

This limits any power factor penalties imposed by Consumers Energy. This was accomplished with the installation of some small line reactors on 24-hour equipment and the finding of a line reactor which was installed in the wrong location making it ineffective. The majority of the power factor issues had been found in the new digester building.

With the summer winding down, our seasonal help is headed back to school. We had a couple of great individuals that provided great support this year and we wish them the best in the future.

The new roof project will be starting at the end of the month.

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

### **Miss Dig:**

Miss Dig Requests: 501

Miss Digs Marked: 81

Inspection Services: 8

### **Projects:**

#### **DeWitt Township**

Crowner Farms III: Cook Bro. has started the road, manholes will be raised to final grade, and vacuum testing will be completed after asphalt is in.

DeWitt Crossing South: Sanitary sewer work is nearly completed. The fiber line along Clark Rd. has been moved.

The 102 interceptor project is anticipated to start at the end of

the month with dewatering wells to be installed throughout the boring route.

#### **Bath Township**

Chandler Lofts/NOCA: All pipe has been completed. Air testing has been completed. A preliminary mandrel test was performed and passed.

Meadowbrook West II: Sanitary sewer has been installed, testing is waiting to begin.

#### **City Of DeWitt**

Oaks IV: No change. Revised drawings were recently submitted and are under review.

Wildflower Condos III: No

change, the contractor has completed punch list items. Still need to complete a vacuum test on manholes and record drawings.

Wildflower Subdivision III: Sanitary sewer has been installed, waiting for testing to begin.

#### **Watertown Township**

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