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Southern Clinton County Municipal Utilities Authority

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Inside this issue:

Process—Making it Clean 2

Inspections—The Scoop on the Poop 2

Maintenance—Keeping Things Humming

The spring that will not end... With summers official start around the corner, spring has continued with constant rain-fall. That has not stopped the maintenance staff from trudging through and keeping things moving. The month of June is the unofficial start of our rehab and construction season. This is being done in three of the municipalities this year. LS 208 rehab in Bath Twp was started last week and SCCMUA crews have also been working in Watertown and DeWitt Townships. LS 105 in DeWitt Twp. is being rehabbed by SCCMUA crews with new pumps, valves, and telemetry work. Next will be LS 110 in DeWitt Twp with a similar plan. This work is going a long way toward bolstering up the system and increasing its reliability.

Generator maintenance is nearly a fulltime job with as many generators that are in the system. At LS 217 and 218 (Bath Twp), the cooling systems were addressed; they both had radiator failures. Additionally, an ignition driver was faulty at LS 202 (Bath Twp). Luckily, parts were located quickly and repairs were made by SCCMUA staff.

A new pump was installed at LS 113 (DeWitt Twp) as the pump had failed.

Administration

The Budget has continued to work through the committees and will be on track to be delivered to the board next month.

The first meeting of the year for the 2020 healthcare renewal was held with 44 North. We have asked to start a bit sooner than in the past; this is to allow time to take a broad look at all options

These are small grinder style pumps which have a shorter life span.

At LS 219 (Bath Twp), a repaired pump was reinstalled after a couple of attempts to repair. We were fortunate to have a spare pump that we have kept on hand. SCCMUA has been able to take parts from old pumps and use them to create some spares we can put in for emergencies.

SCCMUA staff installed a new impeller and seal in a pump at LS 117 (DeWitt Twp). This station was designed to service a larger area which was slow to develop. But now it is seeing increased flows.

During rain events, which have been abundant this spring, crews spend time looking for illicit connections where excess storm water is infiltrating the system. This is important; consistent head way is made during each event identifying these location to remove them from the sanitary system. This is the number one cause of sanitary sewer overflow events.



and costs. Additionally, a switch in the FSA provider will be implemented as the current system has had its struggles.

Director Gurski and Process Control Supervisor Nichols traveled to Alledale to do some investigation of a couple of used RBC's. We were fortunate

to find a few that have been stored by the community and might offer a solution to our failed RBC.

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Process—Making it Clean

All parameters of the NPDES permit were met.

Most of you are aware, but last month was interesting and kept staff on their toes. As staff began the annual RBC maintenance project on the B-1 train, a first for SCCMUA happened. In train A-1, RBC #7, a morning walk through of the RBC's painted a picture of disbelief and that is no understatement! The main shaft on what is theoretically the lightest RBC had broken in two. When looking at the RBC, an eerie grin can be seen in the broken RBC as if to say I am not listening to your plan. Looking at this in disbelief, staff pushed on and quickly located a couple of used RBC's and talked with vendors about other options. The RBC's in SCCMUA are no longer made and many of the options come with a large price tag. Currently, two options remain viable and more information has to be

gathered. This will change our maintenance plan for this year.

If the RBC shaft failure was not enough, mother nature took her shot as well. With a quick 1.67" of rain falling on already saturated ground, it increased pumping rates at the plant 250% from normal flows. Additionally, multiple stations had plugged pumps and were monitored closely. Staff worked 24/7 to ensure things continued to operate.

In the plant, many of the processes have dedicated pumps. The primary sludge system has two pumps to

service the clarifiers. One of those pumps had a failure in the driveline. These pumps are progressive cavity and are designed to physically push sludge; this takes brute force but works well in heavy solids. Unfortunately, this style pump takes a lot of time to repair; staff has learned some tricks along the way and have been able to cut the repair time down to a less painful process.

Some work was completed in the Mudwell which is the collection site for all water used in the plant. The control system was relocated to the other tank to better monitor the systems operations.



Inspections—The

Miss Dig:

Miss Dig Requests: 689

Tickets Marked: 115

Inspection services: 9

Projects:

DeWitt Township

Crowner Farms III: Work proceeds slowly due to weather. Manhole vacuum testing is the last to be completed.

DeWitt Crossing: Work has begun. Due to weather issues, work has focused on bringing water across Airport Rd and starting the gas station. A conflict with the gas main is still holding up installation of sewer

along Clark.

Bath Township

NOCA Lofts: Work has begun. All pipe and air testing has been completed. A preliminary mandrel test was performed and passed. Final testing to be completed early July.

Meadowbrook West II: Plans have been submitted and approved for the next phase of Meadowbrook West. Work should begin soon.

City Of DeWitt

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

Wildflower Condos III: No change. Contractor has completed punch list items. Still need to complete vacuum testing on manholes and receive record drawings.

Wildflower Subdivision III: Plans have been submitted and reviewed for the next phase of development along Sienna Dr.

Watertown Township

Lakeside Phase 11: No change. Manhole vacuum test is the last test to be completed. Developer is planning work in the next phase. A portion of the pipe was installed some time ago. Several defects were discovered during CCTV inspection. Developer is making repairs on those defects.