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Southern Clinton County Municipal Utilities Authority

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AS COVID brought nearly everything to a halt, our staff continued to work in a safe but responsible manner. SCCMUA worked hard to limit the exposure risk and still provide an adequate and effective service.

During the 6-week limited staffing, we were able to have nearly zero call-ins and no calls for service as it relates to sewer backups. This shows that all the work staff has completed, with the commitment of the municipalities, has worked to provide a more reliable sewer system for its users.

During the limited staffing, everyone worked to get materials ordered and on hand so projects would get back on track as soon as we could. Much of the equipment that has been ordered has been received and is being scheduled for installation.

We did have an emergency repair on Clark Rd in DeWitt Twp. A small hole, the size of a pencil, had formed in the clay tile and began pulling in aggregate from above the pipe. A dip was noticed in the road. The dip will be repaired with the repaving of Clark Rd. Video in December and January did not show this hole. Things sometimes seem to happen even when everything is done right. We were

able to get a patch installed within two days of being notified of the dip appearing in the road.

Lift station 501 on Herbison Rd has had a new PLC and communication system installed. This is now on the new radio system we have been migrating DeWitt Twp to. This accomplishes a few things. The new system is serviceable by anyone, including SCCMUA staff. Another advantage is that we can increase the amount of data being collected without causing other issues. We now receive data every 10-12 sec vs. minutes on the old system. Finally, it removes some of the load off the other system that operates for the remaining municipalities.



Administration

COVID has forever changed how we work and operate. These changes can be viewed in different ways, both positive and negative. SCCMUA has taken the threat seriously and has worked to create a safe and productive work environment. Even with COVID, the hazards of our work have not changed; it

is just another reminder that precautions need to be taken and taken seriously.

As we move forward to get caught back up, we proceed with a new sense of caution but with determination and confidence in the lessons learned and new capabilities. We all have had to become more

pliable in how we view work being conducted and what a workday may look like. It has taken many of us out of our comfort zones, but those lessons will create a prosperous path forward and spur more innovation as we all come to grips with our new daily norm.

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Process—Making it Clean

All parameters of the NPDES permit were met.

Total precipitation for April totaled 2.54". We are prepping for our first sludge haul of the year, as well as first sludge haul with our new haulers—Biotech Agromics Inc. They anticipate hauling sometime in mid to late May. We try to pump out as much supernatant as we can from the sludge storage tanks before being hauled; that way, we minimize the volume being hauled, so we are only paying for them to haul sludge and not supernatant as well. The supernatant is a clear to grey liquid that overlies the sludge after the sludge settles to the bottom of the tank.

The staff has started chlorinating the B-1 train in the RBC'S. We do this to kill off all of the bugs/growth on the RBC'S, which in turn will lighten the RBC'S taking stress off of the shafts while the tank is empty and there is no water to help with buoyancy. Our goal is to maintain 15.0 mg/l of Chlorine for 14 days. We have found that in doing this, we achieve the kill needed to effectively clean the RBC's.

We have recently placed a second Primary Clarifier online. By running two primary clarifiers, we will be able to reduce the amount of organic matter we are feeding to the RBC'S. This should allow the biology on the RBC'S to con-

sume more and allow less pass-through and lower the amount of BOD that needs to be removed before nutrient removal, thereby, giving us a cleaner quality effluent.

We have started performing tests on the treatability of the Brentwood system and we are running side by side comparisons with the Brentwood and the last RBC on a different train. We are doing this by checking the difference in ammonia levels before and after the Brentwood and RBC. This shows the decrease in ammonia levels from before to after these stages. We are hoping for a couple of weeks of consistent numbers to give us a good idea of the Brentwood's treatability.

Inspections—The Scoop on the Poop

Miss Dig:

(2020/2019)

Miss Dig Requests: 281/582

Miss Digs Marked: 40/134

Inspection Services: 6/15

Projects:

DeWitt Township

Redwood Living: No change. Revised plans were submitted and reviewed. The plans met SCCMUA standards. Redwood Living is an apartment complex that will connect to the DeWitt Township system, but remain private.

Quarry Village: EGLE has approved the plans and has issued a Part 41 permit. Quarry Village is a multifamily development that will connect to the DeWitt Township system, but remain private.

102 Interceptor: The work to install the new pipe for the southern

portions of the DeWitt township has continued with work completed from I-69 and into Clark Rd.

Bath Township

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

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

Whitehills Woods North: No change. Testing to begin in May. The site was extremely wet but the contractor managed to get the pipe installed. The pipe has passed the low air pressure test.

City Of DeWitt

Oaks IV: 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 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: EGLE has approved the plans and has issued a Part 41 permit.