



June 16, 2020

Southern Clinton County Municipal Utilities Authority

Volume 13 Issue 6

Inside this issue:

- Process—Making it Clean 2
- Inspections—The Scoop on the Poop 2

Maintenance—Keeping Things Humming

An unexpected overvoltage issue arose during the pandemic response and happened on a regular basis. Most home owners would not notice the difference. During the pandemic, many larger users where not using near their same electric load. This causes voltage readings to be higher than the normal 5% settings on generator transfer switches. We worked with Consumers to get things calmed down but many nuisance alarms still happened particularly at night when usage was the least. Now that things are getting back to a new normal, this has not been an issue.

Staff worked with a local machine shop to design and build a cutter plate for a pump in DeWitt Township. This comes at a significantly reduced cost versus purchasing one from the original manufacturer. By installing these cutter plates, the ragging issues have been substantially less and plugged pumps are substantially reduced.

The significant rain events which occurred in May had crews busy for nearly a week. The plant operated well considering the 5-day rain total of 5.32 inches created a daily average flow of 3.77 MGD for the month of May. One day recorded 7.157

MGD pumped in a single 24 hr. period. Staff worked around the clock to ensure no backups occurred in the system which is a big win for an event like this one.

The rain event exposed an issue that is now hopefully solved. A large form of debris was blocking the discharge of station 114 in DeWitt Twp causing it to surcharge and short circuit back to station 108. Upon further inspection, the apparent issue was found with debris blocking the force main discharge.

Most of the new equipment (besides the pump for station 402) has now arrived and is being scheduled for installation in the coming weeks and months.

Odor remediation has continued with aerators being installed in station 504 in DeWitt Twp. At station 501, a large odor scrubber has been repurposed to be installed on the vent of the wet well with hopes of adding capacity to the odor remediation system. With 501 in a valley, odor from the sewer and landfill often linger in that area with minimal wind currents. We continue to work to find economical treatment solutions.

Administration

Since the Crews have been back working with alternate start times and alternate schedule's, things have operated well. SCCMUA is working through issues generated by COVID. One simple issue is the amount of leave time staff has in their banks. Staff has been encouraged to take time when they can but to keep in mind that operations must continue.

The budget process is ongoing and will be moving through the process. D&P has met to review the CIP and LT CIP.

SCCMUA has continued weekly meetings with our consultants Moore & Bruggink regarding the facilities plan and funding opportunities. Currently, they are working on maximum treatable capacity of the SCCMUA plant structures to fully understand our

theoretical treatment capacity. This will allow the Authority to decide the desired capacity based on the financial cost to achieve those capacities. More to come in the near future.

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.

Precipitation for May totaled 6.75". Biosolids hauling has been completed for the spring haul. They hauled 195,500 gallons of biosolids to nearby farm fields. Because of all the rain we received in May, the fields became too saturated and the sludge hauling was halted. The plan is to have the haulers back in July to take what they couldn't from the spring haul and then back again in October to complete the fall haul.

Staff has pumped out and cleaned the B-1 train in the RBC's, and are prepping to install new diffusers and address any issues they may find with

the air header system while down in the tank. Once this has been addressed, staff will move onto machining the RBC shaft ends for new sleeves and bearings. With conditions never being great out in the RBC's, we try to shoot for the Spring/Summer time frame to get out there and perform this type of work.

We are going to be working on the mudwell pump control system in the near future. Currently, the pumps are only controllable from inside the building. We are going to change this and give it remote access capability. This will allow staff to view and

make changes from either computer or phone. Staff will be able to remotely change pumps in a failure; the current piping overflows to Sandhill wetwell which in turn spikes the sandhill pumps.

A while back we noticed that the methane gas was not making it out to the flame burner. Knowing that burning off any excess methane gas that is not used by our boilers is an important part of keeping ourselves and the surrounding area safe, we dove in to find the problem. Staff found that the back-pressure regulator was defective. After rebuilding and cleaning the system out, the methane gas has made its way back out to the burner to be burnt off.

Inspections—The Scoop on the Poop

Miss Dig:

(2020/2019)

Miss Dig Requests: 474/582

Miss Digs Marked: 76/151

Inspection Services: 7/13

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 Twp line has continued with work completed from I69 to north of 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: Testing is completed and passed, still waiting on record drawings.

City Of DeWitt

Oaks IV: No change; testing has been completed and passed, still waiting for rec-

ord 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.