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Southern Clinton County Municipal Utilities Authority

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"The Clean Water People"

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Maintenance—Keeping Things Humming

SCCMUA crews finished out 2020 with some end of year maintenance and planning for 2021. Crews have begun can station maintenance by checking all safety equipment and completing annual pump maintenance for those stations. Maintenance tasks include impeller measurements, valve operation, and oil changes. SCCMUA utilizes the winter months as these stations offer a location out of the weather and are temperature regulated.

SCCMUA has been working on an odor control plan for over a year now, particularly in the Bath collection system. Bath Township had a significant O&M cost trying to control odors and corrosion with only chemicals. We have since reduced the chemical usage significantly by installing aeration in many stations, maintaining a dissolved oxygen level above five mg/l. This will inhibit H2S production. Additional benefits are seen as well, including reducing solids accumulation, and we are actively encouraging biological activity. Crews are nearly half way through the installation of these aerators in the system.

Replacement turbos for the main plant generator were needed; the bearings in the original units were failing. This can cause catastrophic failure in diesel engines. Staff is preparing to complete this work in the coming days. This

piece of equipment is critical for continued operation during a loss of power situation.

SCCMUA staff has continued with crane truck repairs; the goal is to maintain a level of service until a replacement can be found. At this time, no safety concerns are noted; the increased size of the newer pumps in these larger stations is nearing the capacity of the current crane's capacity.



Our favorite visitors!

Administration

SCCMUA is working through the year end process and is already beginning preparations for the 2022 budget. Auditors will be in on February 8, 2021. This year the audit will be a little different as we work through the COVID protocols. Plans have been made between SCCMUA and the audit staff to make this as painless as possible.

Staff continues to wait patiently for our turn to receive the COVID vaccine. This has been a long road but we can see the light just out of reach. By the time we complete the vaccination process at SCCMUA, a full year will have been realized since the start of COVID.

Meetings continue with Granger and are progressing to the next stages with

Granger consultants and Staff.



Process—Making it Clean

NPDES Permit: All permit requirements were met. Total precipitation for the month was 1.66".

With 2020 coming to a close, it leaves us looking ahead at projects. Staff will be starting the 2021 RBC rehab project earlier this year with the hope of having it completed by mid-spring time; this would be ideal as ammonia limits will come into effect April/May. This year we will be rehabbing the A-2 train. We will be look-

ing at RBC shaft ends, new bearings, air diffusers, air valves, and any air header work that might be needed.

Staff is inspecting Tertiary Filters and measuring anthracite depths. The Tertiary Filters play a vital role in our treatment process. It is crucial to verify their efficiency and make sure all critical elements such as valves, pumps, spray nozzles, and anthracite depths are all in line. For the most part, the Tertiary Filters are a hands-off op-

eration, so keeping the area clean and verifying each filter's efficiency is very important.

Staff is staying on top of preventative maintenance items such as oil changes, greasing, belt changes, and rebuilds when needed. We find that we can maintain a smoother running product by being proactive with our PM work, yet eliminating unnecessary spending that can occur by not taking care of our equipment. Our staff takes pride in maintaining a smoothly run facility and our PM work shows it.

Inspections—The Scoop on the Poop

Miss Dig Totals: 2020 2019 2018

Miss Dig Requests: 4782 5088 4993

Miss Digs Marked: 927 1036 1245

Inspection Services: 113 103 130

Projects:

DeWitt Township

Redwood Living: Work continues to progress. Contractor has connected into the manhole on Clark. It is an apartment complex that will connect to the DeWitt Twp system, but remain private.

Quarry Village: Pipe installation has been completed. Air and mandrel testing as well as televising have been completed and passed. Vacuum testing has not been completed.

Bath Township

Meadowbrook West II: No change. Testing has been completed and passed. Record drawings have been submitted and approved.

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

Whitehills Woods North: Testing is completed and passed, corrected record drawings were submitted and approved.

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: Testing has been completed and passed. Waiting for record drawings.

2020 Cleaning/TV

Plummer's Environmental has completed the TV/Clean work and is compiling the data as a deliverable item to SCCMUA.

