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Southern Clinton County Municipal Utilities Authority

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Southern Clinton County
Municipal Utilities
Authority
"The Clean Water People"

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Maintenance—Keeping Things Humming

The beautiful spring weather has allowed crews to get an early jump on collection system maintenance plans. Last month, SCCMUA staff bypassed station 204 on Park Lake Rd in Bath and removed/replaced a failed pump base and piping all in a single day. The team worked together to get a tough job done and back in operation to avoid being on a bypass overnight. This station is critical to the Bath collection system around the Lake.

With the new pumps arriving, Staff has been able to get many of the new pumps in DeWitt Twp installed. This included a new pump at Station 107 on Turner Rd. and two new pumps at station 118 on Crossover Dr. Two new pumps were also installed at station 117 off Clark Rd. These stations were all part of the rehab plan. The pumps removed will be inspected and components will be evaluated. Parts will be used to make one viable backup pump out of the two that had been removed from each station.

As part of the rehab plan in DeWitt Township, staff is upgrading station controls and telemetry. This project is ongoing as SCCMUA completes 75% of the work with programming help from a local vendor. SCCMUA is developing the ability to do some of the programming in-house to decrease costs and increase our

ability to handle failures and emergencies effectively.

The broken record of generator failures continues, but many times emergency generators are a blessing. However, they require continuous maintenance and repairs. There are currently 32 generators in the system. This month a board failure led to a generator running on Saturday; crews responded and replaced the failed board. These electronic boards are expensive; however, they continually fail due to the extreme environment. SCCMUA had identified a source to repair these boards more cost-effectively, allowing us to have backups for these locations.

Administration

SCCMUA and the team from Moore and Bruggink are working with EGLE to evaluate possible capacity availability at SCCMUA. This process is lengthy due to the fact we are asking based on our model prediction. Models are used in many other engineering and collection system evaluations that EGLE recognizes; however, EGLE has not utilized modeling for its plant rating ability. SCCMUA remains optimistic that this will be viable and pave our path forward. Also, the team has asked for permit limits for both 6 and 7 MGD variations which will help determine our most cost-effective solution for the forecasted needs.

As infrastructure talks at the federal level continue, SCCMUA is making sure all possible projects are identified. This will enable us to be ready if/when those funds become avail-

able for municipalities to complete work in their systems.



Process—Making it Clean

NPDES Permit: All permit requirements were met. Total precipitation for the month was 2.02".

The RBC project is moving along nicely; staff has inspected and machined any shaft ends that required repair and have replaced all bearings in the A-2 train. They have since cleaned out the tank and are down in the tank replacing air header brackets and air diffusers. The team has done a great job keeping this project moving forward. SCCMUA has a goal to complete this project by the 1st of May.

What is the purpose of primary clarification? The purpose of primary clarification is to remove settleable (Sludge) and un-settleable solids before reaching the biological treatment process. This plays a vital role in the treatment process, which is why it is imperative to make sure that we are keeping our clarifiers inspected and serviced regularly. We will be switching from the East clarifier

(in use) to the West clarifier (serviced) in the coming weeks. This will allow us to place an already serviced clarifier on line and service the clarifier that was just in use. Ensuring our clarifiers are inspected and serviced regularly will provide optimum efficiency while in use.

While trying to maintain an efficient treatment process to produce the highest quality effluent possible, we have had a vendor offer us a free trial to reduce Ammonia and BOD in the Watertown Twp sewer system primarily caused by landfill leachate. The vendor and staff have placed gel like tabs designed to reduce both BOD and Ammonia in roughly 50 manholes throughout the system and a few at the plant's headworks.



Inspections—The Scoop on the Poop

Miss Dig Totals:

Miss Dig Requests: 383

Miss Digs Marked: 50

Inspection Services: 5

Projects:

DeWitt Township

Quarry Village: Pipe installation has been completed. Air & mandrel testing as well as televising have been completed and passed. Vacuum testing of three manholes has been completed; the remaining will be tested once the site is more accessible.

DeWitt Crossing South: One year warranty inspection was completed by SCCMUA personnel.

Thomas Farms: Located between Clark Rd & Solon Rd, will contain a mix of condominium and subdivision development to be completed over multiple phases. Tentative plans have been submitted and are under review.

Bath Township

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

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

Wildflower: Work has begun on the fourth and final phase of Wildflower Meadows Condominium. Sanitary installation has been completed. Testing will begin in May.

Watertown Township

Lakeside Phase 11: No change. Record drawings have been submitted and are under review.

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

Spot liner and tiger tail placements have been reviewed and are awaiting pricing from our vendor.