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## Southern Clinton County Municipal Utilities Authority

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### Maintenance—Keeping Things Humming

With spring just around the corner, the staff has been able to take advantage of the mild weather by starting annual pump maintenance along with fleet maintenance. This gives us a head start into the busy time of the year with some of the larger projects that need good weather to complete.

Lift station 202 on Sleight Rd in Bath has demanded a lot of attention and repairs for some time now. Most recently, an impeller on one of the pumps had to be resurfaced for tighter tolerances to the shaft. A local machine shop completed this work.

Pumps have been ordered for stations 112 and 114 in DeWitt Twp. This will provide continued reliable service to these stations and to the users that rely on this infrastructure.

Crews worked to upgrade gas service at station 214 in Bath Township. A more significant generator was needed to run both pumps at station 214. At station 211, the generator was oversized so they were swapped and are working well.

A brief power outage in early March had crews working a long day as the power outage caused VFD's to fault and created a transducer issue at the sandhill pump

station. Staff worked quickly to get things back online and operating as normal. There was no damage from the outages.

A check valve repair was completed at station 102 in DeWitt Twp. These valves are operated numerous times a day and the packing is used to seal the external swing arms. The packing breaks down in time and needs routine maintenance.

New Brentwood Accufas System in operation.



### Administration

2021 Budget work has continued with both budget items and long term CIP items. This consists of compiling accurate budget numbers for future equipment and costs associated with those installations.

The draft audit has been reviewed and will be presented at the April Board

meeting.

Granger and the consultant team will be on-site reviewing the layout to determine the best locations for testing and the pilot study.

The staff has met with Moore and Brugink to look over the preliminary Facilities Plan data. The data projects, based on growth

trends, that some plant improvements will be needed in the not so distant future. More work has to be done to define what that might consist of and the order to complete them based on priority. The plan is on track to be completed in April 2020.

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## **Process—Making it Clean**

All parameters of the NPDES permit were met.

Total precipitation for February totaled 1.66". The Brentwood Accufas System is now complete and in operation. We had a couple of field service inspectors from Brentwood show up to verify that the air header system and piers were installed to specification. The Field Service Inspector was impressed by our staff's installation and couldn't believe how spot on everything was.

The staff has been busy with preventative maintenance work on different items throughout the plant. The #3 motor at Sandhill Lift Station has been removed from service and sent

in for rebuild. Staff has also been cleaning the underground drain system that drains the grit wash water from the grit room to the main drain under the loading dock. The drain was starting to back up. The drains have been jetted and access cleanouts have been added. This seems to have taken care of the problem.

Staff placed the secondary sludge pump on a VFD and are actively working to dial it into the proper speed. Staff is attempting to cut back on the amount of secondary water sent back to the primary clarifiers without building up too many solids in the

secondary's; it's a fine line. This should keep from sending unnecessary organic material back to the primary clarifiers and lower the hydraulic loading to both the clarifiers and the RBC'S.

New fire extinguisher signs were installed throughout all of the buildings. Non-exit doors have been marked in the main building. Maps are being developed to show current location vs the nearest fire extinguishers, safety eyewashes/showers, and the nearest exits.

## **Inspections—The Scoop on the Poop**

### **Miss Dig:**

Miss Dig Requests: 200

Miss Digs Marked: 63

Inspection Services: 10

### **Projects:**

#### **DeWitt Township**

DeWitt Crossing South: All testing has been completed and passed. Revised record drawings have been supplied and comments have been returned.

Redwood Living: Revised plans were submitted and reviewed. The plans met SCCMUA standards. Redwood Living is an apartment complex that will connect to the DeWitt Twp system but remain private.

Quarry Village: Revised plans were submitted and reviewed. The plans met SCCMUA standards. Quarry Village is a multifamily development that will

connect to the DeWitt Twp system but remain private.

102 Interceptor: Work has continued with the bore casing and carrier pipe installed. Work on the north side of I69 has been completed except restoration. The pipe is now being installed south of I69 and crews are hopeful to be near Clark Rd. by the end of the month.

#### **Bath Township**

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

Whitehills Woods North: No change. Testing to begin in April. 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 completed and passed. C2AE has sent a request to the engineer for record drawings.

Wildflower Condos III: No change; tests have been completed and passed. C2AE has sent a request to the engineer for record drawings.

Wildflower Subdivision III: No change; tests have been completed and passed. 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.