

Director Of Utilities Monthly Report
March 2023 (Presented At The April 17 City Council Meeting)

Director's Summary

Sturgeon & Rollins water line replacement is underway. The timeline for the remaining EDA projects is pointing towards advertisement for bids during the 2nd and 3rd quarters of 2023 with bid awards to follow receipt of bids and construction on each to be underway sometime during 2023. Other projects coming up are the replacement of a utilities dump truck, Stormwater 319 Grant Application development along with the Stormwater Master Plan.

Caselle Software: During April 2023 conversion from two billing cycles to one will take place. This will allow each customer to have the same bill due date, reduce the quantity of manual billing tasks, resulting in a more efficient and streamlined process.

Project Tracking

WTP Tracer Study testing nearing completion and Jacobs is preparing data model for submittal to DNR.

Sparks Avenue Sewer:

- Construction permit requested. Plans under review for that permit.
- Engineer consultant has scheduled the project for advertisement of bids during 2nd quarter of 2023.

Northwest Regional Lift Station:

- Design phase underway.
- Additional SRF documents remaining to be submitted for project extension.
- Easements needed for piping routes. Mapping of those easements is scheduled for April 2023.

WWTP Digester Liner Replacement:

- Design and specifications activities underway. Nearing advertisement for bid stage.

Route JJ:

- Moberly working to obtain easements. 3/48 outstanding easements remain.
- Jacobs to prepare an application for construction permit.

EDA Infrastructure Grant Projects: Project update meetings are held bi-weekly with Jacobs Engineering to track progress and make sure items are addressed in a timely manner. Each project has a 180 day construction timeline. The stormwater project for the Industrial Park is a Howe Company project. The six (6) projects included and the status of each:

Morley Street Pump Station:

- Construction permit received.
- Advertisement for Bids is the next step in the process.

N. Morley Water Main:

- 100% plans and specifications are complete and have been sent to EDA for approval.
- DNR construction permit has been received.
- One easement is not executed as of now.
 - City working through the condemnation process.
 - Owner has not responded to a monetary offer for the easement.
 - Process anticipated to complete in April 2023.
- Ready to bid once final easement secured and EDA documents received.

Sturgeon and Rollins Water Main:

- Construction underway.
- Construction completion is anticipated in May 2023 pending delays in receipt of materials, namely the 16" saddles need for relocation of service line connections.

Downtown Sewer Rehab:

- Project to be restructured as one contract for completion of cleaning, inspection and rehabilitation to consolidate the effort with one full service contractor, and to better able to control total project costs. Final scope and specifications discussions with EDA underway.

Downtown CSO Storage Facility:

- Construction permit from DNR expected in the next two months.
- Bid and/or construction start date to accommodate 2023 September special events.

Industrial Park Stormwater – (Howe Company project)

- Advertisement for bids underway. Award of bid anticipated in May or June 2023.

Dept. Summaries:

Drinking Water produced:	33.610 MG (1.084 MG/Day)
Drinking Water billed:	18.867 MG (0.609 MG/Day) \$192,690 (\$6,215/Day)
Wastewater Treated:	56.104 MG (1.810 MG/Day)
Wastewater Billed:	18.075 MG (0..583 MG/Day) \$260,979 (\$8,418/Day)
Total Water Loss from Leaks and Service work:	0.935 MG
Wastewater Discharge Combined Sewer Outfalls:	5.31 MG
Total March precipitation	2.17 inches

Monthly Water Production	32,807,232
Monthly Used by City Facilities	2,552,536
Accounted for During Water Leaks	1,100,919
System Flushing	593,760
Metered & Billed	28,386,291
YTD Avg Water Loss Monthly Avg	7.8%
*Flow #s are 12 month running average, Gallons	

Water Billing Office

- 80 Landlord letters.
- 22 Deposit letters.
- 53 Emails to 16 Landlords.
- 249 meter technician work orders.
- Received 20 Waste Management calls from customers.

Distribution and Collection Department and Customer Service

- Repaired 7 water leaks.
- Replaced or removed 10 valves.
- Poured 0 yards of concrete.
- Completed 186 Missouri One Call tickets for locating water and sewer lines.
- Staff investigated 1 sewer call.
- 28 staff OT hours.
- Inspected 2,007 feet of sewer line.
- Jetted approximately 11,990 feet of sewer line. (Over 2 miles.)
- Sawed 0 feet of sewer lines to remove roots.

Water Plant

- WTP staff completed 3,453 lab analyses.
- Analyzed 6 Colilert samples for total coliform.
- Completed monthly disinfection/turbidity report and mailed to DNR.
- Received DBP cooler from the state lab.
- Received a call from Tom Sanders asking if Orschelns could pull about 10,000 gals of water.
- A caustic feed alarm revealed no raw water flow. Staff reset the PLC in chem building and all was working fine afterwards.
- Collected DBP, TOC and Bac-T samples and shipped off to state laboratory.
- Received shipment of microcystin test supplies.
- Performed monthly maintenance on the free and total chlorine analyzers.
- Matt in Macon for MWWC NE region planning meeting.
- Smith's Refrigeration completed repairs on west heater in filter bay. Smith's Refrigeration made a return trip to inspect the east heater in the filter bay. They had left after repairing the west heater and did not realize there were 2 heaters.
- Dropped off sludge trailer tarp to JJ Tarps to have a new one made.
- Built a storage shelving unit in the basement for spare parts.
- Matt met with University Extension about community garden plans on 6th street.
- Hawkins Chemicals chemist visited to discuss TOC removal and Chemical 457 feed rates. Scheduled a visit for Hydro-Kinetics to calibrate all flow and DP transmitters.
- Day operator contacted Lake Ranger to report damage to gate at Cookseys Quarry.

Wastewater Treatment Facility

- Treated 56.104 MGM an average of 1.810 MGD.
- Transferred 1,667,630 gallons of sludge from the SBRs to the digesters.
- There were 1.84 DT of biosolids applied for the month.
- 2.17 inches of precipitation that fell over a 14-day period.
- Taylor CSO (outfall 002) did not discharge for the month of March.
- Rollins CSO (outfall 003) discharged 21.897 MGD for the month of March.
- Seven Bridges CSO (outfall 004) did not discharge for the month of March.
- Holman Rd CSO (outfall 005) did not discharge for the month of March.
- Grease has been noticed at the wastewater plant more frequently. Pro Pumping has been removing grease from the wet well at Morley Pumpstation on a weekly basis. Floats in the Morley PS have not been working properly due to the high grease amounts in the wet well. A total of 16,400 gallons of grease was removed in March. Grease was noticed at the Rollins PS bar screen and the WWTP influent pumpstation. The temporary DAF unit is in operation at Swift Prepared Foods. Troubleshooting is being done to get the best results.
- March 10, 2023, a “white and milky” substance was discovered in the creek off Union St. and St. Charles. After wastewater staff investigation, an SSO caused by grease build up in the sewer was found along the creek. Further investigation revealed grease getting backed up into an abandoned sewer line and leaching into the creek. MoDNR was contacted along with Swift Foods. Preventive measures have been taken to reduce this happening again. Conversations with Swift Foods have begun along with Moberly staff discussions including Barr Engineering and other consultants.
- Large amounts of grease are being collected at the Rollins St. PS. D&C employees have been assisting wastewater staff to remove the solids and put into the drying bed onsite. The grease is from buildup in the sewer line that caused the creek incident.
- Barr Engineering was on site to look at the operations of Rollins St CSO to compare to Seven Bridges CSO for improvement project.
- The motor and pulley shaft on the new hose reel broke. Schmitt Irrigation was on site to access the work needed to repair. All repairs were covered under warranty.
- Annual pretreatment inspections and sampling were done at Qualico (previously Central States), Wilson Trailer and MacRak Inc.
- Maintenance was performed on the backflow preventer at Seven Bridges PS.
- Maintenance was performed on the UV system and channel to prepare for April 1, 2023 operation. Preliminary results showed the system to be in compliance and working properly.
- Donnie Gregory and Emily Lute attend the MEWA conference at the Lake of the Ozarks March 26-29.
- Annual compliance report was submitted for Heritage Hills Golf Course lagoon to DNR.

Water Quality Coordinator (Out on maternity leave)