

MEMORANDUM



TO: Ray Towry, City Manager
 FROM: Greg Springman, Public Works Director
 DATE: May 12, 2020
 SUBJECT: Public Works Activities Report April 2020

This memorandum provides a brief periodic update of specific projects, WTP/WWTP O&M and Compliance status, and activities performed by the Public Works Department.

This table section summarizes work done on key maintenance activities.

Work Type	May, 2020*	April, 2020	2020 YTD	2019	2018**	2 Yr Ave***
Bathrooms/Garbage	3	11	166	742	305	524
Catch Basin Inspection/cleaning	1	2	4	31	505	268
Leaf Collection	0	0	0	223	181	202
Hydrant Flushing	0	1	38	303	168	236
Locates	16	59	182	448	114	281
Meter Re-Read	10	66	210	441	192	317
Mowing	0	16	21	129	99	114
Playground EQ Inspection	1	5	19	98	48	73
Pothole Repair	0	10	390	609	202	406
Sewer CCTV Miles	0.93	1.63	3.45	1.59	0.39	0.99
Street Sweeping Miles	0	311	1110	4142	2938	3540
Water Main Repair	0	2	2	15	19	17
Water Service Repair	1	3	10	31	13	22
Water Turn Ons/Offs	17	48	292	1040	517	779
Total Completed Word Orders	156	589	2461	8571	3913	6242

* Current month is as of 5/7/2020

** 2018 is a partial year new system in May2018

*** Not full 2 year average as 2018 is partial year

WWTP and WTP Key Performance Indicators (KPIs)

Wastewater Treatment Facility – March 2020

47.7 MG of wastewater treated this month

3.90 MG max daily flow discharged

1.54 MG average daily flow discharged

33,061 lbs. solids inventory

Notes: Two violations for March 2020

3/31/2020 TSS Daily Max lbs above limit of 690 at 808

3/31/2020 TSS Weekly Ave lbs above limit of 520 at 696

Water Treatment Facility – March 2020

35.2 MG treated this month

1.12 MG used for backwashing filters

1.14 MG average daily demand

Notes: No violations for March 2020

Current & Upcoming Projects

Treatment Facilities Request for Proposal for Contract Operations

Scope: City staff are preparing a formal request for proposal for contract operations for the water and wastewater treatment facilities

Status: RCA to Council on May 12, 2020

Engineer of Record

Scope: City staff have prepared a formal request for proposal for an Engineer of Record.

Status: RCA to Council on May 12, 2020

Wastewater Treatment Plant Improvement Project

Scope: Upgrades to equipment & processes for DEQ Compliance

Status: Project on schedule. WWTP Final design commenced in August, 2019. In September 2019, staff met with Architect designing the WWTP Admin building to discuss building layout, vision for the structure and project schedule. Nearing 60% design completion

Water Loss

Scope: Staff will continue to identify water leaks throughout the 54 miles of water distribution system.

Status: PW staff has completed a large repair on 9th Avenue, north of Nadina Street. The leak was estimated at approximately 343,000 gallons per day. Staff will review other water production numbers from the WTP as a comparison.

Radar Speed Signs

Scope: Purchase 6 radar speed signs throughout the community.

Status: Staff ordered 6 radar speed signs. Installed two signs, one on 1st Avenue, second on Airport Road. Permits applications has been submitted to ODOT for multiple location along State Highway 20 and Highway 228.

Sankey Park Improvements

Scope: Install new paths, lighting, and playground equipment.

Status: Staff specified all materials for project and set budget, project to commence February 2020.

2019 Overlay Project

Scope: 2" pavement overlay on Juniper St., 32nd Ct., 45th Ave., and 46th Ave. at Main St.

Status: Project in design.

Water Distribution System Evaluation – Murraysmith

Scope: Murraysmith will perform a hydraulic water model of the water distribution system to pinpoint operations deficiencies and develop a plan to mitigate water system deficiencies.

Status: City staff purchased water modeling software, which Murraysmith to hydraulically model the water distribution system. Project currently in progress.

System Development Charges (SDCs) – Murraysmith

Scope: Provide an update to the current water and sewer system development charges (SDCs) and establish new transportation, parks, and stormwater SDCs based on current capital improvement plans.

Status: Actively in progress

Backwash Pump Evaluation – Murraysmith

Scope: Evaluate feasibility of adding a backwash pump and using clearwell for filter backwashes and the corresponding effects on the distribution system and treatment.

Status: Waiting on Water Distribution System Evaluation

Finished Water Pump Evaluation – Murraysmith

Scope: Evaluate feasibility to add a Variable Frequency Drive (VFD) to the current finish water pumps to maintain a constant level in clearwell to help facilitate Backwash Pump.

Status: Waiting on funding source

WTP Disinfection Evaluation – Murraysmith

Scope: Murraysmith will perform a hydraulic water model of the water distribution system to pinpoint operations deficiencies and develop a plan to mitigate water system deficiencies.

Status: In Design