

MEMORANDUM



TO: Ray Towry, City Manager
 FROM: Greg Springman, Public Works Director
 DATE: July 6, 2020
 SUBJECT: Public Works Activities Report June, 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	June, 2020	May, 2020	2020 YTD	2019	2 Yr Ave*
Bathrooms/Garbage	88	60	312	742	524
Catch Basin Inspection/cleaning	0	1	4	31	268
Leaf Collection	0	0	0	223	202
Hydrant Flushing	35	0	73	303	236
Locates	54	57	293	448	281
Meter Re-Read	68	53	331	441	317
Mowing	16	7	44	129	114
Playground EQ Inspection	0	1	19	98	73
Pothole Repair	88	14	492	609	406
Sewer CCTV Miles	0	2.91	5.43	1.59	0.99
Street Sweeping Miles	230	0	1466	4142	3540
Water Main Repair	0	0	2	15	17
Water Service Repair	0	2	12	31	22
Water Turn Ons/Offs	47	50	567	1040	779
Total Completed Work Orders	735	156	3754	8571	6242

* Not full 2 year average as 2018 is partial year

WWTP and WTP Key Performance Indicators (KPIs)

	May, 2020	April, 2020	2020 YTD	2019	5 Yr Ave
Potable					
MG Treated	24.45	29.21	155.22	444.48	434.89
Backwash Water in MG	1.1	1.15	6.39	22.90	13.50
Ave daily demand in MG	0.79	0.97	1.03	1.21	1.17
Sanitary					
MG Treated	45.44	56.77	316.40	547.14	559.36
Max Daily Flow in MG	2.05	3.51	5.11	7.30	6.02
Average Flow in MG	1.47	1.89	2.08	1.50	1.53
Solids Inventory lbs	21882	21530	27882	ND	ND

* MG is Million Gallons

** ND is No Data

Notes: Three violations for May 2020

5/11/2020 CBOD Weekly Ave. Max mg/L with 17 on a limit of 15

May 2020 CBOD Monthly Ave lbs/day with 162 lbs on a limit of 120

May 2020 CBOD Monthly Ave mg/L with 14 on a limit of 10

Current & Upcoming Projects

Treatment Facilities Request for Proposal for Contract Operations

Scope: City staff prepared a formal request for proposal for contract operation services for the water and wastewater treatment facilities. This RFP has been published and awaiting responses.

Status: RFP closes July 15, 2020

Engineer of Record

Scope: City staff prepared a formal request for proposal for an Engineer of Record. This RFP has been published and closed Friday, June 26, 2020. 5 responses were received, they are being evaluated by staff.

Status: RCA to Council TBD

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. WWTP Improvement Project is at the 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 compared production numbers from the WTP as a comparison and determined the average savings to be approximately 350,000 gallons.

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. Currently waiting on ODOT.

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. Playground equipment installation was completed week of June 29, 2020. Concrete sidewalks/paths will commence July 2020.

2020 Overlay Project

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

Status: Project on hold until FY 20/21. Funds carried over to 20/21 FY Budget.

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 awaiting results.

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. Council presentation tentatively scheduled for July 28, 2020 meeting.

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 new Engineer of record to design project

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