

MEMORANDUM



TO: Ray Towry, City Manager
 FROM: Greg Springman, Public Works Director
 DATE: November 10, 2020
 SUBJECT: Public Works Activities Report - October 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	October, 2020	September, 2020	2020 YTD	2019	2 Yr Ave*
Bathrooms/Garbage	56	37	513	742	524
Catch Basin Inspection/cleaning	0	17	48	31	268
Leaf Collection	11	1.5	12.5	223	202
Hydrant Flushing	0	137	245	303	236
Locates	45	39	463	448	281
Meter Re-Read	67	81	679	441	317
Mowing	3	4	81	129	114
Playground EQ Inspection	0	0	19	98	73
Pothole Repair	28	0	538	609	406
Sewer CCTV Miles	0	0	5.43	1.59	0.99
Street Sweeping Miles	45	249	1986	4142	3540
Water Main Repair	1	0	5	15	17
Water Service Repair	2	0	18	31	22
Water Turn Ons/Offs	71	52	806	1040	779
Total Completed Word Orders	475	539	6080	8571	6242

* Not full 2 year average as 2018 is partial year

WWTP and WTP Key Performance Indicators (KPIs)

	September, 2020	August, 2020	2020 YTD	2019	5 Yr Ave
Potable					
MG Treated	22.91	32.46	268.41	444.48	434.89
Backwash Water in MG	1.07	1.07	10.42	22.90	13.50
Ave daily demand in MG	0.89	1.05	1.00	1.21	1.17
Sanitary					
MG Treated	22.6	22.6	429.72	547.14	559.36
Max Daily Flow in MG	1.09	0.89	5.11	7.30	6.02
Average Flow in MG	0.76	0.73	1.57	1.50	1.53
Solids Inventory lbs	ND	18960	24251	ND	ND

* MG is Million Gallons

** ND is No Data

Notes: Three WWTP exceedance reported for August
 Week Ending 9/4/2020 CBOD Weekly Ave, Max mg/L 26 with a limit 15
 Week Ending 9/11/2020 CBOD Weekly Ave, Max mg/L 29 with a limit 15
 Week Ending 9/18/2020 CBOD Weekly Ave, Max mg/L 19 with a limit 15

Current & Upcoming Projects

Treatment Facilities Working on bringing Operations in House

Scope: Council voted to resume operations of treatment facilities.

Status: Current proposed transfer on July1, 2021.

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. Currently in progress from Value Engineering report RFP

Water Loss

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

Status: PW staff submitted updated Water Loss Charts to Council in August, 2020, projecting current water loss at 15%, down from 45% water loss in 2019.

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: Playground equipment installation was completed week of June 29, 2020. Concrete sidewalks/paths are at 50% completion. Lights are at 50% completion. Additional concrete work will occur as weather allows.

2020 Overlay Project

Scope: 29th Avenue Chip Seal completed this summer.

Status: Project on hold until FY 20/21 spending is approved.

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. Council Workshop presentation took place on July 28, 2020.

Status: Actively in progress. Council to review mythology in November, 2020. 90 days notices was published November 9, 2020. Hearing date set for February 9, 2021.

Backwash Pump Evaluation – West Yost

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: In design with West Yost

Finished Water Pump Evaluation – West Yost

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: In design with West Yost

WTP Disinfection Evaluation – The Automation Group (TAG) (sub from West Yost)

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: Staff procured equipment, Public Works staff to complete installation. TAG commencing with installation and programing, onsite installation scheduled for Dec 1st and 2nd