

# MEMORANDUM



TO: Ray Towry, City Manager  
 FROM: Greg Springman, Public Works Director  
 DATE: January 12, 2020  
 SUBJECT: Public Works Activities Report – December 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	December, 2020	November, 2020	2020 YTD	2019	2 Yr Avg*
Bathrooms/Garbage	38	56	551	742	524
Catch Basin Inspection/cleaning	0	0	48	31	268
Leaf Collection	123	11	135.5	223	202
Hydrant Flushing	0	0	245	303	236
Locates	17	45	480	448	281
Meter Re-Read	52	67	731	441	317
Mowing	1	3	82	129	114
Playground EQ Inspection	2	0	21	98	73
Pothole Repair	10	28	548	609	406
Sewer CCTV Miles	0.27	0	5.71	1.59	0.99
Street Sweeping Miles	100	45	2086	4142	3540
Water Main Repair	0	1	5	15	17
Water Service Repair	0	2	18	31	22
Water Turn Ons/Offs	53	71	859	1040	779
<b>Total Completed Word Orders</b>	<b>521</b>	<b>475</b>	<b>7391</b>	<b>8571</b>	<b>6242</b>

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

## WWTP and WTP Key Performance Indicators (KPIs)

	November, 2020	October, 2020	2020 YTD	2019	5 Yr Ave
<b>Potable</b>					
MG Treated	22.23	22.53	313.16	444.48	434.89
Backwash Water in MG	1.17	1.39	12.98	22.90	13.50
Ave daily demand in MG	0.77	0.73	0.95	1.21	1.17
<b>Sanitary</b>					
MG Treated	51.49	28.77	509.98	547.14	559.36
Max Daily Flow in MG	3.02	1.6	5.11	7.30	6.02
Average Flow in MG	1.72	0.93	1.53	1.50	1.53

MG is Million  
\* Gallons  
\*\* ND is No Data

Notes: No water quality exceedances reported for the month of November

## Current & Upcoming Projects

### Treatment Facilities – In House Operations

**Scope:** Council voted to resume City operated treatment facilities.

**Status:** 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. WWTP Improvement Project is at the 60% design completion. Staff completed Value Engineering study with Keller Associates. DEQ project review meeting will be scheduled for February 2021.

### 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 November, 2020, projecting current water loss below 11%.

### Radar Speed Signs

**Scope:** Purchase 6 radar speed signs throughout the community.

**Status:** Permits applications has been submitted to ODOT for multiple location along State Highway 20 and Highway 228. Currently waiting on ODOT final review for permits.

## 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:** 29<sup>th</sup> Avenue Chip Seal

**Status:** Project completed.

## 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 from staff.

## 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 reviewed mythology in November 2020. 90 days notices were published on 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 the WTP's clearwell reservoir to help facilitate backwash pumping, and maintain distribution system pressures.

**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 1<sup>st</sup> and 2<sup>nd</sup>.