

# MEMORANDUM



TO: Ray Towry, City Manager  
 FROM: Greg Springman, Public Works Director  
 DATE: March 9, 2020  
 SUBJECT: Public Works Activities Report – February 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	February, 2021	January, 2021	2021 YTD	2020	2 Yr Ave
Bathrooms/Garbage	21	36	57	597	670
Catch Basin Inspection/cleaning	0	0	0	48	40
Leaf Collection	0	1	1	138.5	181
Hydrant Flushing	34	0	34	280	292
Locates	27	38	65	520	484
Meter Re-Read	95	53	148	830	636
Mowing	0	0	0	82	106
Playground EQ Inspection	10	9	19	21	60
Pothole Repair	46	75	121	667	638
Sewer CCTV Miles	0.00	0.00	0.00	5.71	4
Street Sweeping Miles	172	0	172	2086	3114
Water Main Repair	0	3	3	5	10
Water Service Repair	1	0	1	73	52
Water Turn Ons/Offs	245	50	295	914	977
<b>Total Completed Word Orders</b>	<b>394</b>	<b>379</b>	<b>773</b>	<b>7895</b>	<b>8233</b>

## WWTP and WTP Key Performance Indicators (KPIs)

	January, 2021	December, 2020	2020	2019	5 Yr Ave
<b>Potable</b>					
MG Treated	30.45	26.95	345.13	444.48	434.89
Backwash Water in MG	6.23	4.8	18.42	22.90	13.50
Ave daily demand in MG	0.98	0.87	0.95	1.21	1.17
<b>Sanitary</b>					
MG Treated	87.64	86.73	596.71	547.14	559.36
Max Daily Flow in MG	4.69	6.66	6.66	7.30	6.02
Average Flow in MG	2.83	2.8	1.63	1.50	1.53

\* MG is Million Gallons

Notes: There were zero water quality exceedances reported for the month of January

## 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. WWTP Improvement Project is at the 60% design completion. Staff completing Value Engineering Study with Keller Associates. Proceeding to 90% design.

### 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:** Staff ordered 6 radar speed signs. Installed two signs, one on 1<sup>st</sup> Avenue, second on Airport Road. Permits applications have been approved by ODOT. Staff will install in March 2021.

## Sankey Park Improvements

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

**Status:** Concrete was formed and poured in March 2021. CTC to remove several trees prior to path and light work resuming.

## 2021 Overlay Project

**Scope:** Overlay multiple streets through the community.

**Status:** Design with Civil West. Design scheduled for completion March 2021.

## Water Distribution System Evaluation – West Yost

**Scope:** West Yost 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 West Yost 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:** Hearing completed February 9, 2021. Adoption of Ordinance in March 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 programming, onsite installation scheduled for Dec 1<sup>st</sup> and 2<sup>nd</sup>.