

# MEMORANDUM



TO: Ray Towry, City Manager  
 FROM: Greg Springman, Public Works Director  
 DATE: February 9, 2020  
 SUBJECT: Public Works Activities Report – January 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	January, 2021	December, 2020	2021 YTD	2020	2 Yr Ave
Bathrooms/Garbage	36	38	36	597	670
Catch Basin Inspection/cleaning	0	0	0	48	40
Leaf Collection	1	123	1	138.5	181
Hydrant Flushing	0	0	0	280	292
Locates	38	17	38	520	484
Meter Re-Read	53	52	53	830	636
Mowing	0	1	0	82	106
Playground EQ Inspection	9	2	9	21	60
Pothole Repair	75	10	75	667	638
Sewer CCTV Miles	0.00	0.27	0.00	5.71	4
Street Sweeping Miles	0	100	0	2086	3114
Water Main Repair	3	0	3	5	10
Water Service Repair	0	0	0	73	52
Water Turn Ons/Offs	50	53	50	914	977
<b>Total Completed Word Orders</b>	<b>379</b>	<b>521</b>	<b>379</b>	<b>7895</b>	<b>8233</b>

### WWTP and WTP Key Performance Indicators (KPIs)

	December, 2020	November, 2020	2020 YTD	2019	5 Yr Ave
<b>Potable</b>					
MG Treated	26.95	22.23	345.87	444.48	434.89
Backwash Water in MG	4.81	1.17	18.43	22.90	13.50
Ave daily demand in MG	0.87	0.77	0.94	1.21	1.17
<b>Sanitary</b>					
MG Treated	86.73	51.49	596.71	547.14	559.36
Max Daily Flow in MG	6.66	3.02	6.66	7.30	6.02
Average Flow in MG	2.80	1.72	1.63	1.50	1.53

MG is Million  
\* Gallons

Notes: Eight water quality exceedances reported for the month of December

DATE	Parameter	Limit	Exceedance
12/21/2020	CBOD Daily Max Lbs	630	786
12/21/2020	TSS Daily Max Lbs	690	1488
12/26/2020	CBOD Weekly Ave. Max Lbs	460	693
12/26/2020	TSS Weekly Ave Max Lbs	520	1020
12/28/2020	TSS Daily Max mg/L	30	33
12/28/2020	TSS Daily Max Lbs	690	795
December	TSS Monthly Ave Max Lbs	350	352
01/02/2021	TSS Weekly Ave. Max Lbs	520	582

### 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 has been submitted to ODOT for multiple location along State Highway 20 and Highway 228. Currently waiting on ODOT 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 completed this summer.

**Status:** Project in design with Civil West.

## 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 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 programming, onsite installation scheduled for Dec 1<sup>st</sup> and 2<sup>nd</sup>.