

# MEMORANDUM



TO: Ray Towry, City Manager  
 FROM: Greg Springman, Public Works Director  
 DATE: October 6, 2020  
 SUBJECT: Public Works Activities Report September 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	September, 2020	August, 2020	2020 YTD	2019	2 Yr Ave*
Bathrooms/Garbage	37	58	457	742	524
Catch Basin Inspection/cleaning	17	27	48	31	268
Leaf Collection	1.5	0	1.5	223	202
Hydrant Flushing	137	0	245	303	236
Locates	39	39	418	448	281
Meter Re-Read	81	105	612	441	317
Mowing	4	7	78	129	114
Playground EQ Inspection	0	0	19	98	73
Pothole Repair	0	7	510	609	406
Sewer CCTV Miles	0	0	5.43	1.59	0.99
Street Sweeping Miles	249	224	1941	4142	3540
Water Main Repair	0	2	4	15	17
Water Service Repair	0	3	16	31	22
Water Turn Ons/Offs	52	61	735	1040	779
<b>Total Completed Word Orders</b>	<b>539</b>	<b>790</b>	<b>5605</b>	<b>8571</b>	<b>6242</b>

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

## WWTP and WTP Key Performance Indicators (KPIs)

	August, 2020	July, 2020	2020 YTD	2019	5 Yr Ave
<b>Potable</b>					
MG Treated	32.46	32.76	245.50	444.48	434.89
Backwash Water in MG	1.07	1.05	9.35	22.90	13.50
Ave daily demand in MG	1.05	1.06	1.05	1.21	1.17
<b>Sanitary</b>					
MG Treated	22.6	27.31	407.13	547.14	559.36
Max Daily Flow in MG	0.89	1.23	5.11	7.30	6.02
Average Flow in MG	0.73	0.88	1.67	1.50	1.53
Solids Inventory lbs	18960	21196	24251	ND	ND

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

Notes: One WWTP exceedance for August  
 CBOD Monthly Ave. Max mg/L 12 with 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, responses have been graded and notice of evaluation of results published August 3, 2020. Staff commenced negotiations on August 4, 2020.

**Status:** Contract negotiated and presented to Council on October 13, 2020.

### Engineer of Record

**Scope:** City staff prepared a formal request for proposal for an Engineer of Record. This RFP was published and closed on Friday, June 26, 2020. Staff received 5 responses, with evaluations completed by staff in July, 2020.

**Status:** Completed. Contract has been awarded to West Yost, contract signed.

### 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. RFP approved by Council and is currently posted.

## 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 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 for Permit from 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 in August 2020. Playground was completed in October, 2020.

## 2020 Overlay Project

**Scope:** 2" pavement overlay on Juniper St., 32<sup>nd</sup> Ct., 45<sup>th</sup> Ave., and 46<sup>th</sup> 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. Council Workshop presentation took place on July 28, 2020.

**Status:** Actively in progress. Council requested comparisons SDCs rates from other Cities.

## 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:** Currently 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