

# MEMORANDUM



TO: Ray Towry, City Manager  
 FROM: Greg Springman, Public Works Director  
 DATE: November 9, 2021  
 SUBJECT: Public Works Activities Report – October 2021

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, 2021	September, 2021	2021 YTD	2020	2 Yr Avg
Bathrooms/Garbage	22	23	152	597	670
Catch Basin Inspection/cleaning	1	1	3	48	40
Leaf Collection	451	0	452	138.5	181
Hydrant Flushing	115	64	289	280	292
Locates	56	35	438	520	484
Meter Re-Read	93	56	881	830	636
Mowing	4	12	39	82	106
Playground EQ Inspection	1	4	47	21	60
Pothole Repair	11	0	467	667	638
Sewer CCTV Miles	0.00	0.00	0.13	5.71	4
Street Sweeping Miles	143	77	768	2086	3114
Water Main Repair	0	1	8	5	10
Water Service Repair	1	1	20	73	52
Water Turn Ons/Offs	60	67	564	914	977
<b>Total Completed Work Orders</b>	<b>749</b>	<b>492</b>	<b>4976</b>	<b>7895</b>	<b>8233</b>

## WWTP and WTP Key Performance Indicators (KPIs)

	September, 2021	August, 2021	2021 YTD	2020	2019	5 Yr Avg
<b>Potable</b>						
MG Treated	28.79	38.8	282.20	345.13	444.48	434.89
Backwash Water in MG	1.35	1.83	23.36	18.42	22.90	13.50
Ave daily demand in MG	0.96	1.25	1.04	0.95	1.21	1.17
<b>Sanitary</b>						
MG Treated	25.19	22.03	409.37	596.71	547.14	559.36
Max Daily Flow in MG	1.82	0.84	4.73	6.66	7.30	6.02
Average Flow in MG	0.84	0.71	1.51	1.63	1.50	1.53

Notes: There were no water quality exceedances reported for the month of September

## Current & Upcoming Projects

### Wastewater Treatment Plant Improvement Project

**Scope:** Upgrades to equipment & processes for DEQ Compliance

**Status:** Engineer of Record (West Yost) is conducting a 30-day review of the WWTP Improvement Project. West Yost will assume the WWTP Final Design and Construction Services. WWTP Improvement Project update will be present to Council in December 2021.

### Small Diameter Water Main Replacement

**Scope:** Engineer of Record and Staff will identify aged water mains throughout the 54 miles of water distribution system. Staff has identified 5 miles of small diameter water mains requiring replacement.

**Status:** 9<sup>th</sup> Avenue final design is nearly completion and will be presented to Council in November 2021. Engineer of Record and Staff will continue to provide updates as available.

### Sankey Park Improvements

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

**Status:** Project will be completed by January 2022. Minor punch list of items remaining to be finished PW Staff.

## 2021 Overlay Project

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

**Status:** Phase I and Phase II construction has been completed. Minor punch list of items remaining.

## Water & Stormwater Master Plans – West Yost

**Scope:** Develop Water & Stormwater Master Plans to support development

**Status:** Lick off meetings for both projects commence October 2021. Staff will provide periodic updates. Projects scheduled for completion in July 2022.

## 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:** Design completed by West Yost, materials starting to be ordered for 1<sup>st</sup> stage of project. Project bid documents will be presented to Council November 9<sup>th</sup>.

## 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:** Design completed by West Yost, materials starting to be ordered for 1<sup>st</sup> stage of project. Project bid documents will be presented to Council November 9<sup>th</sup>.

## Fluoride at WTP

**Scope:** Fluoride system at WTP has failed/End of life budgeted for replacement FY21/22.

**Status:** PW Staff obtaining quotes for replacement.

## Streaming Current Monitors Replacement

**Scope:** The Streaming Current Monitors (SCMs) have failed at the WTP and are at end of life. Replacement is budgeted for the FY21/22

**Status:** PW staff have obtained a quote from our Integrator of Record and are proceeding on this project utilizing that contract. Current estimated time for completion unknown due to procurement of equipment.

## Wastewater Filter Belt Press

**Scope:** Filter Belt Press was installed in approx. 1974 and is an operational and financial challenge to keep operating, looking to prepurchase new dewatering equipment for the wastewater treatment plant as part of the upgrade project.

**Status:** PW staff currently working with Engineer of Record to confirm sizing of dewatering equipment.