

MEMORANDUM



TO: Ray Towry, City Manager
 FROM: Greg Springman, Public Works Director
 DATE: December 14, 2021
 SUBJECT: Public Works Activities Report – November 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	November, 2021	October, 2021	2021 YTD	2020	2 Yr Avg
Bathrooms/Garbage	6	22	158	597	670
Catch Basin Inspection/cleaning	1	1	4	48	40
Leaf Collection	1003	451	1455	138.5	181
Hydrant Flushing	0	115	289	280	292
Locates	25	56	463	520	484
Meter Re-Read	103	93	984	830	636
Mowing	1	4	40	82	106
Playground EQ Inspection	0	1	47	21	60
Pothole Repair	0	11	467	667	638
Sewer CCTV Miles	0.00	0.00	0.13	5.71	4
Street Sweeping Miles	10	143	778	2086	3114
Water Main Repair	0	0	8	5	10
Water Service Repair	0	1	20	73	52
Water Turn Ons/Offs	51	60	615	914	977
Total Completed Work Orders	597	749	5573	7895	8233

WWTP and WTP Key Performance Indicators (KPIs)

	October, 2021	September, 2021	2021 YTD	2020	2019	5 Yr Avg
Potable						
MG Treated	27.11	28.79	335.43	345.13	444.48	434.89
Backwash Water in MG	1.14	1.35	27.21	18.42	22.90	13.50
Ave daily demand in MG	0.87	0.96	1.01	0.95	1.21	1.17
Sanitary						
MG Treated	37.37	25.19	446.74	596.71	547.14	559.36
Max Daily Flow in MG	2.13	1.82	4.73	6.66	7.30	6.02
Average Flow in MG	1.21	0.84	1.48	1.63	1.50	1.53

MG is Million
* Gallons

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 presented to Council in January 2022.

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: 9th Avenue final design is nearly complete by Civil West Engineering, and a Task Order has been added for 8th Avenue and Alder St., creating a Phase II of the project. Staff will present to Council in January 2022..

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 by PW Staff. Staff will install remaining lights in the Park in November 2021.

2021 Overlay Project

Scope: Overlay multiple streets through the community.

Status: Phase I and Phase II construction has been completed.

Water & Stormwater Master Plans – West Yost

Scope: Develop Water & Stormwater Master Plans to support development

Status: Kick 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. Project bid documents were presented and approved by Council during the November 9th meeting. Mandatory Pre-bid meeting occurred December 1, 2021.

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. Project bid documents were presented and approved by Council during the November 9th meeting. Mandatory Pre-bid meeting occurred at the WTP on December 1, 2021.

Fluoride at WTP

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

Status: PW Staff will schedule a Fluoride discussion with Council.

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.