

MEMORANDUM



TO: Ray Towry, City Manager
 FROM: Greg Springman, Public Works Director
 DATE: January 11, 2022
 SUBJECT: Public Works Activities Report – December 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	December, 2021	November, 2021	2021 YTD	2020	2 Yr Avg
Bathrooms/Garbage	11	6	169	597	670
Catch Basin Inspection/cleaning	2	1	6	48	40
Leaf Collection	182	1003	1637	138.5	181
Hydrant Flushing	35	0	324	280	292
Locates	28	25	491	520	484
Meter Re-Read	76	103	1060	830	636
Mowing	0	1	40	82	106
Playground EQ Inspection	2	0	49	21	60
Pothole Repair	47	0	514	667	638
Sewer CCTV Miles	0.02	0.00	0.16	5.71	4
Street Sweeping Miles	115	10	893	2086	3114
Water Main Repair	1	0	9	5	10
Water Service Repair	0	0	20	73	52
Water Turn Ons/Offs	62	51	677	914	977
Total Completed Work Orders	477	597	6050	7895	8233

WWTP and WTP Key Performance Indicators (KPIs)

	November, 2021	October, 2021	2021 YTD	2020	2019	5 Yr Avg
Potable						
MG Treated	26.12	27.11	335.43	345.13	444.48	434.89
Backwash Water in MG	2.71	1.14	27.21	18.42	22.90	13.50
Ave daily demand in MG	0.87	0.87	1.01	0.95	1.21	1.17
Sanitary						
MG Treated	77.19	37.37	523.93	596.71	547.14	559.36
Max Daily Flow in MG	5.12	2.13	5.12	6.66	7.30	6.02
Average Flow in MG	2.57	1.21	1.58	1.63	1.50	1.53
					* MG is Million Gallons	

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

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 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: Phase I & Phase II will be presented to Council in January 2022. 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.

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, materials starting to be ordered for 1st stage of project. Staff will bring Contract approval to Council January 2022.

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 1st stage of project. Staff will bring Contract approval to Council January 2022.

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. Staff will present topic to Council in January 2022 for discussion

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.