

MEMORANDUM



TO: Ray Towry, City Manager
FROM: Greg Springman, Public Works Director
DATE: September 14, 2021
SUBJECT: Public Works Activities Report – August 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	August, 2021	July, 2021	2021 YTD	2020	2 Yr Avg
Bathrooms/Garbage	0*	0*	107	597	670
Catch Basin Inspection/cleaning	0	0	1	48	40
Leaf Collection	0	0	1	138.5	181
Hydrant Flushing	4	0	106	280	292
Locates	47	38	262	520	484
Meter Re-Read	129	124	479	830	636
Mowing	1*	4*	18	82	106
Playground EQ Inspection	0*	2*	40	21	60
Pothole Repair	77	1	378	667	638
Sewer CCTV Miles	0.06	0.00	0.08	5.71	4
Street Sweeping Miles	76	144	328	2086	3114
Water Main Repair	1	1	5	5	10
Water Service Repair	10	0	8	73	52
Water Turn Ons/Offs	60	53	324	914	977
Total Completed Work Orders	500	470	3735	7895	8233

*Data incomplete due to staff change over and technological issues. New tablets and training completed.

WWTP and WTP Key Performance Indicators (KPIs)

	July, 2021	June, 2021	2021 YTD	2020	2019	5 Yr Avg
Potable						
MG Treated	40.11	32.51	253.42	345.13	444.48	434.89
Backwash Water in MG	1.90	2.18	22.01	18.42	22.90	13.50
Ave daily demand in MG	1.29	1.16	1.05	0.95	1.21	1.17
Sanitary						
MG Treated	24.63	30.63	362.15	596.71	547.14	559.36
Max Daily Flow in MG	0.90	1.35	4.73	6.66	7.30	6.02
Average Flow in MG	0.79	1.02	1.72	1.63	1.50	1.53

* MG is Million Gallons

Notes: There were eight water quality exceedances reported for the month of July

On 7/7/2021 we recorded an effluent cBOD mg/L weekly average of 16.5, the permit limit is 15.

On 7/7/2021 we recorded an effluent TSS mg/L weekly average of 19.3, the permit limit is 15.

On 7/14/2021 we recorded an effluent TSS mg/L weekly average of 16.8, the permit limit is 15.

On 7/21/2021 we recorded an effluent cBOD mg/L weekly average of 21.5, the permit limit is 15.

On 7/21/2021 we recorded an effluent TSS mg/L weekly average of 23.0, the permit limit is 15.

On 7/28/2021 we recorded an effluent TSS mg/L weekly average of 24.0, the permit limit is 15.

For the month of July we recorded an effluent cBOD mg/L monthly average of 16.1, the permit limit is 10.

For the month of July we recorded an effluent TSS mg/L monthly average of 20.8, the permit limit is 15.

Current & Upcoming Projects

Wastewater Treatment Plant Improvement Project

Scope: Upgrades to equipment & processes for DEQ Compliance

Status: Staff has completed the 90% design evaluation of the WWTP Improvement Project. Staff is seeking approval for funding through DEQ SRF Loan, with USDA funding project at final completion. Staff will provide Council an detailed project update in September 2021.

Water Loss

Scope: Staff will continue to identify water leaks throughout the 54 miles of water distribution system.

Status: PW staff will continue to provide updates as available.

Sankey Park Improvements

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

Status: Paths and lighting work has resumed August 2021. Paths to be completed in September 2021.

2021 Overlay Project

Scope: Overlay multiple streets through the community.

Status: Phase I construction has been completed. Phase II bids have been received, staff to recommend award of contract to Council August 2021. Paving work scheduled for October 2021.

Water & Stormwater Master Plans – West Yost

Scope: Develop Water & Stormwater Master Plans to support development

Status: Staff is currently reviewing “Scopes of Work” for both projects. Projects will commence September 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: Design with West Yost, design

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, completion scheduled for September 2021.

Fluoride at WTP

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

Status: PW Staff obtaining quotes to evaluate currently.

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

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.