

MEMORANDUM



TO: Christy Wurster, City Manager Pro Tem
FROM: Greg Springman, Public Works Director
DATE: May 10, 2022
SUBJECT: Public Works Activities Report – April 2022

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	April, 2022	March, 2022	2022 YTD	2021	3 Yr Avg
Bathrooms/Garbage	28	14	78	169	503
Catch Basin Inspection/cleaning	0	1	3	6	28
Leaf Collection	0	0	0	1637	666
Hydrant Flushing	4	35	39	324	302
Locates	64	58	223	491	486
Meter Re-Read	66	65	277	1060	777
Mowing	18	14	33	40	84
Playground EQ Inspection	3	9	34	49	56
Pothole Repair	87	70	275	514	597
Sewer CCTV Miles	0.00	0.22	0.36	0.16	2
Street Sweeping Miles	137	113	475	893	2374
Water Main Repair	2	1	6	9	10
Water Service Repair	2	8	17	20	41
Water Turn Ons/Offs	58	97	251	677	877
Total Completed Work Orders	837	705	2501	6050	6973

WWTP and WTP Key Performance Indicators (KPIs)

	April, 2022	February, 2022	2022 YTD	2021	5 Yr Avg
Potable					
MG Treated	26.88	23.95	79.39	363.99	406.97
Backwash Water in MG	1.20	1.37	4.93	30.07	19.92
Ave daily demand in MG	0.87	0.86	0.88	1.00	1.12
Sanitary					
MG Treated	69.15	45.29	215.04	641.31	586.99
Max Daily Flow in MG	3.45	2.02	6.01	5.89	6.08
Average Flow in MG	2.23	1.62	2.36	1.76	1.61

* MG is Million Gallons

Note: Sweet Home Wastewater Treatment Plant experienced 3 exceedances for the month of March 2022.

- On 3/02/2022 Max daily TSS pounds was 1580.3 on a permit limit of 690 pounds
- On 3/02/2022 Weekly Avg TTS pounds was 863.3 on a permit limit of 520 pounds
- On 3/02/2022 Weekly Avg TTS mg/L was 32.5 on a permit limit of 30.0

Current & Upcoming Projects

Wastewater Treatment Plant Improvement Project

Scope: Upgrades to equipment & processes for DEQ Compliance

Status: Engineer of Record (West Yost) completing WWTP Final Design for Phase I and Phase II. West Yost provided Council a WWTP Improvement Project update in April 2022. Funding source to be determined by Council.

Small Diameter Water Main Replacement

Scope: Engineer of Record and Staff has identified aged water mains throughout the 54 miles of water distribution system. Staff and West Yost will take a phase approach to replace the 5 miles of small diameter water mains.

Status: Phase I & Phase II project documents will be presented to Council on May 10, 2022. Documents will include an RFP from Contractors. 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 was completed by January 2022. Final concrete path was poured in February 2022. Minor punch list of lighting remains to be finished by PW Staff.

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. Water Master Plan is scheduled for completion in July 2022. Stormwater Master Plan is scheduled for completion by June 2023.

Backwash Pump Evaluation – West Yost

Scope: Install backwash pump, utilizing the 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. Contract approved by council to Pacific Excavation, pre-construction meeting occurred in January 2022. Pump has been ordered. Construction set to start May 2022.

Finished Water Pump VFD 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 pumping.

Status: Design completed by West Yost, materials starting to be ordered for 1st stage of project. Contract approved by council to Pacific Excavation, pre-construction meeting occurred in January 2022. Construction set to start May 2022.

Fluoride at WTP

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

Status: PW Staff obtaining updated quotes for replacement. The project has been proposed in the FY22-23 budget.

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.