

MEMORANDUM



TO: Christy Wurster, City Manager Pro Tem
 FROM: Greg Springman, Public Works Director
 DATE: July 12, 2022
 SUBJECT: Public Works Activities Report – June 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	June, 2022	May, 2022	2022 YTD	2021	3 Yr Avg
Bathrooms/Garbage	20	22	98	169	503
Catch Basin Inspection/cleaning	0	1	3	6	28
Leaf Collection	0	0	0	1637	666
Hydrant Flushing	30	0	69	324	302
Locates	43	28	266	491	486
Meter Re-Read	80	53	357	1060	777
Mowing	34	21	67	40	84
Playground EQ Inspection	7	6	41	49	56
Pothole Repair	53	32	328	514	597
Sewer CCTV Miles	0.00	0.00	0.36	0.16	2.48
Street Sweeping Miles	121	128	596	893	2374
Water Main Repair	4	1	10	9	10
Water Service Repair	9	0	26	20	41
Water Turn Ons/Offs	79	40	330	677	877
Total Completed Work Orders	742	664	3243	6050	6973

WWTP and WTP Key Performance Indicators (KPIs)

	May, 2022	April, 2022	2022 YTD	2021	5 Yr Avg
Potable					
MG Treated	25.47	25.29	130.15	363.99	406.97
Backwash Water in MG	1.11	1.08	7.11	30.07	19.92
Ave daily demand in MG	0.82	0.82	0.86	1.00	1.12
Sanitary					
MG Treated	97.41	69.81	382.26	641.31	586.99
Max Daily Flow in MG	4.88	3.55	6.01	5.89	6.08
Average Flow in MG	3.14	2.33	2.51	1.76	1.61

* MG is Million Gallons

Note: Sweet Home Wastewater treatment plant experienced 3 exceedances for the month of May 2022.

- On 5/6/2022 at 6:40 PM there was an electrical service outage, and subsequent the backup generator would shut down intermediately, causing an intermittent SSO that lasted approximately 4 hours. The flow rate varied as power fluctuated, ultimately restored by Pacific Power. An SSO Reporting form was submitted separately to DEQ. Staff utilized outside resources to determine root cause of backup generator power interruption, also performing preventative maintenance on the Generator.
- On 5/10/2022 Max daily TSS pounds was 242.1 on a permit limit of 240 pounds
- On 5/11/2022 Weekly Avg TTS pounds was 233.4 on a permit limit of 180 pounds
- For May Monthly Avg TTS pounds was 147.7 on a permit limit of 120

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 submitted 90% Phase I plans to Staff. Anticipate West Yost completing Final Design August 2022 for Phase I. Funding source for Phase II to be determined by Council at a future date.

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: Project RFP bids from Contractors have been submitted. Staff is looking for clarification of Buy American Act requirements prior to awarding the project. 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. Security camera were installed June 2022. Project completed.

Water & Stormwater Master Plans – West Yost

Scope: Develop Water & Stormwater Master Plans to support development

Status: Water Master Plan is scheduled for completion in August 2022. Stormwater Master Plan is scheduled for completion by June 2023. Staff will provide updates as necessary.

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: Project awarded to Pacific Excavation. Pump has been back ordered projected arrival date of November 2022. Construction started 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: Project awarded to Pacific Excavation. Pump has been back ordered projected arrival date in November 2022. Construction started May 2022 has is on schedule, other than the pump.

Fluoride at WTP

Scope: Fluoride system at WTP has failed/End of life budgeted for replacement this FY23.

Status: PW Staff obtaining updated quotes, and ordering all replacement equipment as necessary.

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.