

# MEMORANDUM



TO: Jeff Lynn, City Manager Pro Tem  
 FROM: Greg Springman, Public Works Director  
 DATE: September 13, 2022  
 SUBJECT: Public Works Activities Report – August 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	August, 2022	July, 2022	2022 YTD	2021	3 Yr Avg
Bathrooms/Garbage	15	18	131	169	503
Catch Basin Inspection/cleaning	0	0	3	6	28
Leaf Collection	0	0	0	1637	666
Hydrant Flushing	0	0	69	324	302
Locates	94	41	401	491	486
Meter Re-Read	60	60	477	1060	777
Mowing	14	26	107	40	84
Playground EQ Inspection	4	5	50	49	56
Pothole Repair	11	0	339	514	597
Sewer CCTV Miles	0.00	0.03	0.40	0.16	2.48
Street Sweeping Miles	0	122	718	893	2374
Water Main Repair	0	0	10	9	10
Water Service Repair	7	2	35	20	41
Water Turn Ons/Offs	57	55	442	677	877
<b>Total Completed Work Orders</b>	<b>739</b>	<b>580</b>	<b>4562</b>	<b>6050</b>	<b>6973</b>

## WWTP and WTP Key Performance Indicators (KPIs)

	July, 2022	June, 2022	2022 YTD	2021	5 Yr Avg
<b>Potable</b>					
MG Treated	33.89	28.05	192.09	363.99	406.97
Backwash Water in MG	1.22	1.26	9.59	30.07	19.92
Ave daily demand in MG	1.09	0.94	0.90	1.00	1.12
<b>Sanitary</b>					
MG Treated	34.61	76.19	519.36	641.31	586.99
Max Daily Flow in MG	1.43	4.509	6.01	5.89	6.08
Average Flow in MG	1.12	2.54	2.13	1.76	1.61

\* MG is Million Gallons

Note: Sweet Home Wastewater treatment plant experienced 8 exceedances for the month of July 2022.

- On 7/13/2022 Weekly Avg TSS pounds was 195.0 on a permit limit of 180 pounds
- On 7/13/2022 Weekly Avg TTS MG/L was 20.5 MG/L on a permit limit of 15 MG/L
- On 7/13/2022 Weekly Avg cBOD pounds was 195.4 on a permit limit of 180 pounds
- On 7/13/2022 Weekly Avg cBOD MG/L was 20.5 MG/L on a permit limit of 15 MG/L
- On 7/20/2022 Weekly Avg cBOD MG/L was 21.0 MG/L on a permit limit of 15 MG/L
- For July Monthly Avg TTS MG/L was 11.8 MG/L on a permit limit of 10.0 MG/L
- For July Monthly Avg cBOD pounds was 149.2 on a permit of 120 pounds
- For July Monthly Avg cBOD MG/L was 16.0 MG/L on a permit of 10.0 MG/L

We are still flowing abnormally high with flows approximately 30% higher than in 2021

## Current & Upcoming Projects

### 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 determined Buy American Act requirements do not apply to this project. Staff to award Project in September 2022.

### Pleasant Valley Bridge Water Main Repair

**Scope:** Pac Excavation to repair a broken 12" water main, replace 22 pipe hangers, and provide additional supports inside Pleasant Valley Bridge.

**Status:** Pac Excavation repaired the water main in August, 2022. Pac Excavation has ordered all materials and will schedule to install once materials are received.

### Water Master Plan – West Yost

**Scope:** Develop Water Master Plan to support development.

**Status:** Water Master Plan is scheduled for completion in November 2022. Staff will provide updates as necessary.

### Stormwater Master Plan – West Yost

**Scope:** Develop Stormwater Master Plan to support development

**Status:** Stormwater Master Plan is scheduled for completion in 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. Backwash pump has been back ordered, projected arrival date in November 2022. Construction started May 2022. Project on schedule, other than the arrival of the backwash pump.

### 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, with VFD installation coordinated with The Automation Group (TAG). Construction started May 2022 has been on schedule, other than the backwash pump arrival in November 2022.

### Fluoride at WTP

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

**Status:** PW Staff ordered replacement parts. Arrival for replacement parts TBD. Staff will provide updates to Council as necessary.

### Water Meter Modernization

**Scope:** Replace water meters through the entire water distribution system.

**Status:** Public Works staff purchased 3000 Kamstrup Smart Ultrasonic water meters. Public Works staff has installed 2400 meters to date, project is 80% complete.

### 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.

