

# MEMORANDUM



TO: Ray Towry, City Manager  
FROM: Greg Springman, Public Works Director  
DATE: May 11, 2021  
SUBJECT: Public Works Activities Report – April 2021

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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, 2021 | March, 2021 | 2021 YTD    | 2020        | 2 Yr Ave    |
|------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Bathrooms/Garbage                  | 24          | 21          | 107         | 597         | 670         |
| Catch Basin Inspection/cleaning    | 1           | 0           | 1           | 48          | 40          |
| Leaf Collection                    | 0           | 0           | 1           | 138.5       | 181         |
| Hydrant Flushing                   | 1           | 34          | 71          | 280         | 292         |
| Locates                            | 46          | 27          | 162         | 520         | 484         |
| Meter Re-Read                      | 94          | 95          | 312         | 830         | 636         |
| Mowing                             | 13          | 0           | 18          | 82          | 106         |
| Playground EQ Inspection           | 11          | 10          | 40          | 21          | 60          |
| Pothole Repair                     | 22          | 46          | 374         | 667         | 638         |
| Sewer CCTV Miles                   | 0.05        | 0.00        | 0.05        | 5.71        | 4           |
| Street Sweeping Miles              | 0           | 172         | 172         | 2086        | 3114        |
| Water Main Repair                  | 1           | 0           | 4           | 5           | 10          |
| Water Service Repair               | 1           | 1           | 4           | 73          | 52          |
| Water Turn Ons/Offs                | 57          | 46          | 216         | 914         | 977         |
| <b>Total Completed Work Orders</b> | <b>489</b>  | <b>394</b>  | <b>1865</b> | <b>7895</b> | <b>8233</b> |

### **WWTP and WTP Key Performance Indicators (KPIs)**

|                        | March, 2021 | February, 2021 | 2021 YTD | 2020   | 2019   | 5 Yr Ave |
|------------------------|-------------|----------------|----------|--------|--------|----------|
| <b>Potable</b>         |             |                |          |        |        |          |
| MG Treated             | 27.11       | 23.36          | 80.91    | 345.13 | 444.48 | 434.89   |
| Backwash Water in MG   | 2.86        | 2.41           | 11.50    | 18.42  | 22.90  | 13.50    |
| Ave daily demand in MG | 0.87        | 0.83           | 0.90     | 0.95   | 1.21   | 1.17     |
| <b>Sanitary</b>        |             |                |          |        |        |          |
| MG Treated             | 60.03       | 87.37          | 235.05   | 596.71 | 547.14 | 559.36   |
| Max Daily Flow in MG   | 2.64        | 4.73           | 4.73     | 6.66   | 7.30   | 6.02     |
| Average Flow in MG     | 1.94        | 3.12           | 2.63     | 1.63   | 1.50   | 1.53     |

MG is Million  
\* Gallons

Notes: There were zero water quality exceedances reported for the month of March

### **Current & Upcoming Projects**

#### Treatment Facilities Working on bringing Operations in House

**Scope:** Council voted to resume operations of treatment facilities.

**Status:** Staff has completed interviews and are selecting candidates for hire. Current proposed transfer on July1, 2021.

#### Wastewater Treatment Plant Improvement Project

**Scope:** Upgrades to equipment & processes for DEQ Compliance

**Status:** Project on schedule. WWTP Final design commenced in August, 2019. WWTP Improvement Project is proceeding to 90% design completion. Staff seeking DEQ and USDA approval for the proposed project.

#### 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.

#### Radar Speed Signs

**Scope:** Purchase 6 radar speed signs throughout the community.

**Status:** ODOT permits approved. Staff has installed signs along Highway 20.

#### Sankey Park Improvements

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

**Status:** CTC removed several trees May 2021. Paths and lighting work has resumed.

#### 2021 Overlay Project

**Scope:** Overlay multiple streets through the community.

**Status:** Phase I has been awarded for construction. Phase II RFP has been approved by Council and is out to bid.

#### Water Distribution System Evaluation – West Yost

**Scope:** West Yost will perform a hydraulic water model of the water distribution system to pinpoint operations deficiencies and develop a plan to mitigate water system deficiencies.

**Status:** City staff purchased water modeling software, which West Yost to hydraulically model the water distribution system. Project currently in progress awaiting results from staff.

#### System Development Charges (SDCs) – Murraysmith

**Scope:** Provide an update to the current water and sewer system development charges (SDCs) and establish new transportation, parks, and stormwater SDCs based on current capital improvement plans. Council Workshop presentation took place on July 28, 2020.

**Status:** Completed.

#### 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:** In design with West Yost.

#### 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.

#### WTP Disinfection Evaluation – The Automation Group (TAG) (sub from West Yost)

**Scope:** Murraysmith will perform a hydraulic water model of the water distribution system to pinpoint operations deficiencies and develop a plan to mitigate water system deficiencies.

**Status:** Staff procured equipment, Public Works staff to complete installation. TAG assisting with final configuration.