

2021 Public Works/WWTP Tracking		2021		2020	
		<u>December</u>	<u>Year-to-Date</u>	<u>December</u>	<u>Year-to-Date</u>
<u>ENGINEERING 2021</u>					
	Landfill Leachate Pumpage (gallons)	314,474	6,800,509	572,268	8,700,936
	Precipitation	1.91	32.83	1.13	36.20
	Number of Encumbrance property checks	26	354	17	284
<u>STREET DIVISION 2021 (Manhours)</u>		<u>December</u>	<u>Year-to-Date</u>	<u>December</u>	<u>Year-to-Date</u>
	Work for Engineering		6		
	Shop/Vehicle Maintenance	568	4,843	458	4,668
	Street Maintenance	28	1,714	102	1,512
	Street Cleaning	87	1,144	68	1,158
	Street Signs/Painting	17	887	49	788
	Snow & Ice	180	952	209	1,017
	PT Snowplowers	6	322	3	298
	Bridge - maintenance		36		86
	Old Dump/Landfill/River Sediment				
	17th Street Bridge opening	13	381	4	
	Storm Sewers				
	Refuse/Garbage		2		36
	Recycling/Leaf Collection	52	710	16	933
	Weed Cutting		221		290
	Work for Others	68	4,308	395	4,984
	Special Events				
	Landfill Maintenance				
	Landfill Sampling				
	PBS Sewers	5	63	3	59
	Salted Streets	8	22	x	
	Plowed all city streets	2	6	x	
	Open 17th Street Bridge	37	1059	18	1253
<u>WASTEWATER UTILITY 2021</u>		<u>December</u>	<u>Year-to-Date</u>	<u>December</u>	<u>Year-to-Date</u>
	Wastewater Treated, Gallons	57,741,000	1,269,175,500	67,663,000	1,000,226,100
	MONTHLY AVERAGE: Daily Flow, Gallons	1,863,000	2,320,301	2,183,000	4,378,958
	MONTHLY AVERAGE: Daily BOD, Lbs.	4,466	4,156	3,601	4,347
<u>Plant Discharges (MONTHLY AVERAGE)</u>					
	Biological Oxygen Demand (BOD), mg/l	9.40	9.72	8.70	8.75
	Suspended Solids, mg/l	9.10	8.94	7.40	6.96
	Ammonia, mg/l	0.37	0.56	0.49	0.44
	Phosphorus, mg/l	0.37	0.42	0.36	0.32
	Fecal Coliform, per 100ml	24.00	51.58	16.00	32.67
	pH, Min (6.0)	6.80	6.84	6.90	6.97
	pH, Max (9.0)	7.00	7.04	7.10	7.16
<u>Chemicals</u>					
	Polymer, Gallons	88	1056	88	1,056
	Ferric Chloride, Gallons	2,635	26,337	2,375	26,922
	Chemical Costs for the month	\$ 5,976.16	\$ 37,668.92	\$ -	\$ 37,078.10
	Mishicot Payment	\$ 6,448.53	\$ 81,705.04	\$ 6,381.68	\$ 95,925.09
	Emergency call-ins	4	24	1	43

December 2021 Public Works Narrative Tasks

ENGINEERING 2021

Lead water services and Sanitary Sewer lateral Replacement

- Bid February 4; Mammoth Construction is prime contractor
- Replaced 3 services in December
- Project eliminated 19 Public and/or Private lead services.

Eggers Pond, (near 20th St & East River St)

- City staff and consultant continue to work on project coordination
- Received DNR authorization for treatment of contaminated soils on Dec 17
- Contract was bid June 2, with Superior Sewer & Water being the low bidder.
- Expect construction in early 2022

Pine Tree Drive Lift Station

- Project to rehabilitate existing sanitary lift station at 23rd & Pine Tree Drive
- Contract was bid April 29, with Advance Construction being the low bidder
- Contract work scheduled for January, with about 3 week duration expected.

Shoreline Protection

- Staff and consultant submitted the permit application for shoreline protection placed at DPW/WWTP area, Eggers Pond Site, Lot F, and Neshotah Pond area, as required by DNR.

Sidewalk Repair

- Future contract(s) to be bid for additional sidewalk complaint areas, as marked in 2020.
- Staff is responding to additional complaints, for which notices have been sent to affected residents.

Storm sewer

- Storm Lateral, and mini storm sewer work continues to be considered to help provide location for sump pump discharge, and reduce inflow into sanitary sewer.

STREET DIVISION 2021

Inventory

17th St. Bridge Openings (37)

Street Sweeping

Curbside Leaf Collection - Final Pass

Install Snow Fence Along Zlatnik Dr. 16th St. To 17th St.

Build/Install Gate 17th & Zlatink Access To Outfall

HydroVac At WWTP (4 times)

HydroVac Storm Sewer Sump Pits

PBS Sewers (5) 4-City Line Was Open; 1- City Line Was Not Open

BiWeekly - Monthly - Semi Annual Sewers

Remove Debris In Storm Sewer Pits - Entire City

Salt Red & Blue Routes (8 times)

Plow City Streets (2 times) 1.5"/2" Wet Snow

Open Outfalls

Move Rocks/Overflow Pipe 22nd St. Outfall

Assemble/Install Message Board Woodland Dr. Wayside

Service Lateral Street Repair 2116 13th St.

Clean/Repair Leaf Collection Equipment

Move Seasonal Equipment To Storage

Repair/Replace Street Signs

Make Specialty Signs For TRHS

WASTEWATER UTILITY 2021