

City of Pateros, Public Works & Parks

January 2023 –Report to City Council

By City Administrator/
Public Works Supervisor
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Public Works Team
Mike Lambert – Wastewater
David Hunter – Water/Streets
Ryan Sisler – Parks
Dalton Heller – PW/Parks

ADMINISTRATIVE

This is an extremely short report this month as I am getting ready to go on vacation and trying to get two federal grant applications out the door. I am working on two federal grants. One for Mall Revitalization and one to study US97. The US97 grant is an extension of the DOT grant we have already submitted, and likely will get. It looks at and how to incorporate more pedestrian friendly features and access, safer intersections, and crossings, roundabouts, trails, and how to get tourist to stop in the downtown.

Roman Nehls is the new hire for Parks and Public Works. Roman has been painting City Hall foyer, deputy clerk's office and the council chambers.

Much of this month has been spent on snow removal, equipment maintenance and planning for spring projects.

GRANTS, PLANNING, ECONOMIC DEVELOPMENT & PROJECTS

Water System Improvement (Final Tasks) – No update

Downtown ADA improvements & Commercial Ave Upgrades – TIB board approved an additional \$120,500 for the project. We are shooting for fall construction – but likely will be spring 2024 construction.

Shoreline Master Plan – Kurt has sent the first draft.

General Sewer and Wastewater Facilities Plan (GSWFP) – Public Info meeting 1/17 and Council discussion.

Development Standards Project – Council review 1/17.

Solar Project – All parts are in. We expect a completed project by end of February or early March.

Charging Stations – We are coordinating with EVCS to get the best possible placement and still consider parking lot and Commercial Ave improvements. They would like to start work in March.

PUBLIC WORKS

RMSA has agreed to cover the cost of failure at the headworks lift station. I am working with the electrician, our engineer, and RMSA on finalizing some of those repairs. The control system is archaic, circa 1960s, and replacing with the same system is not sensible. The pumps have both been repaired and returned, and are ready for reinstallation once the electrical has been repaired.

JANUARY ACTIVITIES

- ✓ vehicle/equipment maintenance
- ✓ facility inspection
- ✓ Snow removal activities
- ✓ Sewer lift station repairs.

FEBRUARY ACTIVITIES

- ✓ Finish winter vehicle and facility maintenance projects
- ✓ Finish city hall painting projects and museum maintenance projects
- ✓ Tree pruning
- ✓ Begin landscape clean-ups
- ✓ Winter Barn equipment is lined up for March start to complete building.

PARKS & RECREATION

- 🌳 I am working with Douglas PUD on installation of wild kiosk and new picnic shelter.
- 🌳 Arbor Day celebration will be held Friday, April 28th at 3:30 at the Riverview Pavilion.
- 🌳 Douglas PUD is ordering a new dock/boarding float for Methow Boat Launch. It likely will be here in early spring.

STREET DEPARTMENT

- Staff continue to work on widening roads and clearing snow.

WATER DEPARTMENT

- New water connection at 106 Ives Street.
- Staff has been helping Century Link with a pipe break.
- We have received some complaints about chlorine levels. Winter, when consumption is the lowest, is the most difficult time of year for us to manage chlorine levels. The DOH standard is that we measure at the far reaches of our system. We keep chlorine levels as low as possible. See the Chart below for more information.

SEWER DEPARTMENT

- No big updates. Sewer plant is running good this month.

JANUARY		2023 WATER PRODUCTION									
	2019	2020	2021	2022	2023		2019	2020	2021	2022	2023
Jan	2,121,438	2,036,291	2,277,596	2,673,280	2,237,792	Jul	18,968,280	16,601,532	19,584,242	16,350,504	
Feb	2,056,813	1,946,743	2,057,440	1,974,640		Aug	16,600,547	16,750,284	15,522,640	17,786,352	
Mar	2,260,796	2,373,833	2,133,860	2,375,360		Sep	8,729,598	12,227,228	11,318,457	12,013,456	
Apr	4,503,629	6,608,729	6,062,448	4,126,768		Oct	4,690,568	5,526,800	6,718,040	7,273,894	
May	12,892,999	10,446,235	11,714,756	7,790,780		Nov	2,178,552	1,961,332	2,909,658	2,226,752	
Jun	16,082,186	13,249,332	15,794,652	11,013,668		Dec	1,918,369	1,943,276	2,196,784	2,148,352	
Year to Date Total Gallons	2,121,438	2,036,291	2,277,596	2,673,280	2,237,792	Pump Station #3				2,237,792	
						Pump Station #4				-	
						% of change YTD compared to AVG 2019-2022				-2%	
Water Quality Testing											
Coliform Test	<i>This is an indicator test for total coliform (good and bad). The presence of coliform in a sample indicates the need for further testing</i>										
January	2 SAMPLES		Coliform absent								
Chlorine Monitoring	<i>A target residual of 0.3-0.5 (min. 0.2) used to control microbes *As part of routine monitoring, the chlorine input rate is immediately increased for all chlorine tests results below 0.2 to meet the DOH minimum of 0.2</i>										
January - Daily Samples Mon - Fri	AVERAGE:	0.35	MINIMUM:	0.20	MAXIMUM:	0.71	Target Min Chlorine Levels is 0.20 at furthest point in system. Target levels 0.3 - 1.50 (DOH WA STATE MAX AMOUNT = 4.0)				
Manganese Testing	<i>Historic Highs from old wells 0.2-0.7 & DOH SMCL 0.05</i>										
Location	Date	Most Current			Average	High	Low	Median			
Pump Station #3	01/17/23	0.00100		PRIMARY	0.00116	0.01207	0.00010	0.00017			
Pump Station #4	09/07/22	0.30700		OFFLINE	0.13632	0.66800	0.00037	0.10130			

JANUARY		City of Pateros Sewer Department									
Permittee: Pateros POTW					Permit #: WA0020559		Operator: Mike Lambert				
2022 Wastewater Processed in Gallons											
	2020	2021	2022	2023		2020	2021	2022	2023		
January	1,458,000	1,549,650	1,619,500	1,543,600	July	1,663,000	1,769,300	1,790,100			
February	1,342,700	1,444,200	1,368,700		August	1,494,200	1,674,400	1,621,600			
March	1,299,500	1,202,300	1,525,200		September	1,457,100	1,498,100	1,327,400			
April	1,239,700	1,272,000	1,426,800		October	1,419,900	1,478,900				
May	1,489,000	1,611,900	1,901,400		November	1,311,700	1,397,500				
June	1,488,700	1,771,300	1,697,400		December	1,227,900	1,627,900				
Year To Date Totals Gallons Processed	2020	2021	2022	2023	% of change YTD compared to 2020			6%			
	1,458,000	1,549,650	1,619,500	1,543,600							
Wastewater Effluent Monitoring											
Total BOD 5-day	Organic Loading Rates (Permit Range ≥ 85%)				Fecal Coliform Bacteria	(Permit Range Weekly ≤ 100; Monthly ≤ 200)					
Weekly Test	5 - Tests		99% removal		Monthly Geometric Mean	5-tests		35			
TSS	Total Suspended Solids, non organics (Permit Range ≥ 85%)				Disolved Oxygen	Daily – Report Only					
Weekly Test	5 - Tests		96% removal		Daily Test	Mon-Fri		7.4 Max			
pH	(Daily min/max permit range equal/between pH 6 and pH 9)				Temperature	Daily – Report Only Average Degree Celcius					
Weekly Minimum	Mon-Fri		7		Daily Test	Mon-Fri		11			
Weekly Maximum	Mon-Fri		7.3		Amonia (Report only)	1 sample		1/19/2023		0.0	