

City of Pateros, Public Works & Parks

January 2021 –Report to City Council

By City Administrator/
Public Works Supervisor
Jord L. Wilson, MLA



Public Works Team
Mike Lambert – Wastewater
Doug Kirk – Water
Ryan Sisler – Parks
David Hunter – Streets

PUBLIC WORKS

This report will be brief, as I write this from home. Kerri and I have been sick with what seems like a rough cold since Monday. She was sick on Monday, and I started feeling bad on Wednesday. Because of Covid precautions, we stayed home together, and tested on Tuesday. We do not have any of the severe symptoms of Covid, but because the symptoms overlap, we cannot be sure. Doug was also out for a week, because of exposure to Covid.

The holidays and the new year are a time when Public Works take care of housekeeping, facility maintenance, and servicing equipment and vehicles, and snow plowing. We did have a meeting outlining the next quarter projects, which I will attach to this report.

ADMINISTRATIVE

I did receive guidance back from our IT specialist at Vision. We will be working to rewire City Hall with networking cable. It will not be a simple project, but we intend to do as much in-house as possible. Ryan has experience as a cable installer, and we will be using his expertise to lead the project. At the same time, we will be working on renovating the museum restroom and IT closet.

Pateros Pop-Up Market

We advertised locally, Wenatchee World, Okanogan Employment Office, online, facebook page, and in person to all of our numerous networks. We have not received an application for a coordinator. However, I did receive a call from a Taco Wagon that wants to setup between bakery and old grocery store. I will be working with them so they can use the sewer dump station, even in the off season. We intend to set up a sewer account and bill them at a commercial rate and give them daily access to the sewer dump station.



Because we have not garnered a coordinator, does not mean that we cannot move forward with the idea. We have all the processes and procedures in place for a private group to set up a market or a private business to submit a proposal for facility use.

I will be reviewing and updating the COMMERCE tab of the website to highlight the policy and procedures for these types of businesses to use City facilities.

STREET DEPARTMENT

- Snow plowing continues to be the top priority of Public Works. Because of timing and amount of snow fall, snow removal has been a little erratic. At our last Department meeting we debriefed on procedure and policy. They don't always line up with desired results. It is my desire to have cleared streets and sidewalks. We will continue to work towards this goal in a safe and timely manner.
- The roof structure of the winter barn has been ordered. I expect it to arrive in March. Varela is working on an approved tie-down plan for the building inspector. They do not expect to complete that until February.
- Varela is still working on the Warren Street sidewalk project, and we are waiting on the completion of the survey.

PARKS

- Winter work in the parks is on facility and equipment maintenance.
(Monthly and end-of-the year data will be included in the February report.)

WATER DEPARTMENT

- Winter work in water department is on shop and equipment maintenance.
(Monthly and end-of-the year data will be included in the February report.)

SEWER DEPARTMENT

- I am expecting the contract from ECY anytime for the collection system (city sewer lines) cleaning, camera, and evaluation.
- I will be working next week on completing our Lab Manual which is required for our accreditation. Although not a new requirement, they just implemented online reporting, and require a copy of the manual. This will include safety, quality control, quality assurances, and standard operating procedures. It will be a heavy lift for us to get out the door by end of the month. I have been in touch with Evergreen Rural Water, and they are helping me with information and templates.
(Monthly and end-of-the year data will be included in the February report.)

Report amended on 1/19/2021

City of Pateros Sewer Department					
Permitee: Pateros POTW		Permit #: WA0020559	Operator: Mike Lambert		
2020 Wastewater Processed in Gallons					
	2019	2020		2019	2020
January	1,267,300	1,458,000	July	1,580,000	1,663,000
February	1,136,000	1,342,700	August	1,415,100	1,494,200
March	1,284,500	1,299,500	September	1,496,300	1,457,100
April	1,741,500	1,239,700	October	1,611,290	1,419,900
May	1,427,400	1,489,000	November	1,442,200	1,311,700
June	1,448,900	1,488,700	December	1,433,100	1,227,900
Year To Date Totals		2019	2020		% in Change
Gallons Processed		17,283,590	16,891,400		-2.3%
Wastewater Effluent Monitoring					
Total BOD 5-day		Organic Loading Rates (Permit Range \geq 85%)			
Weekly Test		5 - Tests	98.6% removal		
TSS		Total Suspended Solids, non organics (Permit Range \geq 85%)			
Weekly Test		5-tests	93.6% removal		
pH		(Daily min/max permit range equal/between pH 6 and pH 9)			
Weekly minimum		Mon-Fri	7		
Weekly Maximum		Mon-Fri	7.4		
Fecal Coliform Bacteria		(Permit Range Weekly \leq 100; Monthly \leq 200)			
Weekly geometric mean		4-tests	4.8		
Monthly geometric mean		4-Tests	4.8		
Dissolved Oxygen		Daily – Report Only			
Daily Test		Mon-Fri	8 Maximum		
Temperature		Daily – Report Only			
Daily Test		Mon-Fri	13.28 Degrees C Average		
Ammonia		Monthly – Report Only			
12/9/2020		1 sample	0.07		
December Notes: Plant has been running well. Will be working on winter maintenance projects and annual reporting.					

2020 WATER PRODUCTION							
	2018	2019	2020		2018	2019	2020
Jan	1,797,800	2,121,438	2,036,291	Jul	17,454,000	18,968,280	16,601,532
Feb	1,552,000	2,056,813	1,946,743	Aug	14,152,900	16,600,547	16,750,284
Mar	1,778,900	2,260,796	2,373,833	Sep	10,192,700	8,729,598	12,227,228
Apr	2,963,400	4,503,629	6,608,729	Oct	6,663,600	4,690,568	5,526,800
May	9,611,300	12,892,999	10,446,235	Nov	2,076,600	2,178,552	1,961,332
Jun	13,457,700	16,082,186	13,249,332	Dec	1,867,529	1,918,369	1,943,276
Year to Date Total Gallons	2018 81,700,900	2019 93,003,775	2020 91,671,615	Pump Station #3	855,472		
				Pump Station #4	1,087,804		
Water consumption for the year is down slightly from last year.							
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>					
11/9/2020		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>					
11/1/2020-11/30/2020	<i>Month Median of 0.34</i>	Daily samples Mon-Fri	<i>Target Min Chlorine Levels is 0.20 at furthest point in system. Target levels 0.3 - 1.50 (4.0 State MCL)</i>				
Manganese Testing	Historic Highs from old wells 0.2-0.7 & DOH MCL 0.05						
	Date	Most Current	Average	High	Low	Median	
	Pump Station #3	October	0.00018	0.00123	0.01207	0.00010	0.00017
	Pump Station #4	December	0.1013	0.03560	0.10130	0.00037	0.00242
Pump Station #4 manganese level is high							

City of Pateros Park & Sewer Fees								
	Parks RV/Camping/Parking Fees Memorial & Ives Landing				Ives Landing Dump Station (Sewer Dept)			
	2017	2018	2019	2020	2017	2018	2019	2020
JAN	\$ -	\$ -			\$ -	\$ -		
FEB	\$ -	\$ 25.00			\$ -	\$ 10.00		
MAR	\$ -	\$ -			\$ -	\$ -		
APR	\$ 97.00	\$ 25.00	\$ 160.00		\$ 48.16	\$ 40.00	\$ 21.00	\$ 113.00
MAY	\$ 136.50	\$ 332.00	\$ 85.00		\$ 95.85	\$ 85.00		
JUN	\$ 423.00	\$1,227.85	\$ 35.00	\$1,855.00	\$ 228.00	\$ 240.00	\$ 230.75	\$ 268.00
JUL	\$ 279.00	\$2,866.88	\$1,200.00	\$3,318.00	\$ 276.00	\$ 285.00	\$ 280.92	\$ 224.00
AUG	\$1,195.24	\$3,676.00	\$ 740.25	\$1,994.00	\$ 305.00	\$ 112.00	\$ 155.00	\$ 341.75
SEP	\$ 410.35	\$ 814.00	\$1,739.00	\$1,125.00	\$ 97.00	\$ 143.00	\$ 236.06	\$ 126.25
OCT	\$ 153.00	\$ 460.00	\$ 120.00	\$ 305.00	\$ 145.50	\$ 164.00	\$ 116.00	\$ 201.35
NOV	\$ 6.00	\$ 37.00	\$ 145.00	\$ 2.00	\$ 104.75	\$ 53.00	\$ -	\$ -
DEC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 83.00	\$ -	\$ -
Total	\$2,700.09	\$9,463.73	\$4,224.25	\$8,599.00	\$1,300.26	\$1,215.00	\$1,039.73	\$1,274.35
12 Mo.	\$2,700.09	\$9,463.73	\$4,224.25	\$8,599.00	\$1,300.26	\$1,215.00	\$1,039.73	\$1,274.35