

# City of Pateros, Public Works & Parks

February 2021 –Report to City Council

By City Administrator/  
Public Works Supervisor  
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Public Works Team  
Mike Lambert – Wastewater  
Doug Kirk – Water  
Ryan Sisler – Parks  
David Hunter – Streets

## PUBLIC WORKS

January was a productive month, and the crew was able to wade through some projects. Snow plowing with four instead of three employees has made incredible difference in efficiency.

**Museum Week** – During the research for the interpretive boards a lot of historical documents and artifacts were uncovered at City Hall. We try to spend a little bit of time each winter on museum maintenance and repair projects. This year:

- The old restroom was remodeled into a storage room for VIC brochures that had been stored in City Hall Restroom.
- Locks and glass were repaired on display cases.
- Pictures and artifacts that have been in storage were put into displays and hung on the walls. As most of the walls are block and concrete, this is not an easy task.



**City Hall** – I had one meeting with a wholesale phone company, Granite Government Solutions, and have setup another phone meeting with Kerri to review changing phone service. We continually are having trouble with our phone service. This would actually change who maintains the lines coming into our building. We are also prepping, have purchased the materials, to rewire City Hall with networking cable for computers and possibly phones. I hope to get it roughed in by the end of the month, and then I will schedule Vision to come and finish up the project.

**Winter Barn** – The roof structure of the Winter Barn project has arrived. I am still waiting on plans from the Engineer for the footing requirements. We will not start the project till spring breaks and we are able to pour concrete.

## ADMINISTRATIVE

- I completed the 2021 AWC legislative brochure for the Mayor. SEE ATTACHED.

- Kurt and I have been working on scope of work and contract review for the plastics project.

### **Pateros Pop-Up Market**

We did not receive any applications for a Market Coordinator. I have continued to have discussions with people about the opportunities available. I've continued to visit with people interested in the project, and we have everything in place if someone wants to run with this idea.



### **STREET DEPARTMENT**

We have been working on the Warren Street Sidewalk project. The Sidewalk Committee met with Varela and discussed the draft plan. There are some very happy residents about the project, and there are those that have concerns. I have met with some residents, and I am able to meet with any resident that would like to go over the specifics of the project, especially how it effects their property.

### **PARKS**

- 📌 The 2020 Annual Parks Report was completed and sent to Douglas PUD. The report, although valuable for Council, is intended for the Douglas PUD commissioners. I highlight activities, accomplishments, upgrades and repairs to justify our annual budget and report that the money they spend in Pateros is appreciated and well spent. SEE ATTACHED.
- 📌 Draft interpretive boards have been printed. Kerri has scheduled the review committee to cycle through the museum and review. I have the printer scheduled to come up the last week of February in preparation of the last step. Council is welcome to schedule a time with Kerri to review.



## WATER DEPARTMENT

We have had a couple of emergency shut offs this winter. I completed the Production Report that goes to the Office of the Columbia River, and the Consumption Report that goes to Department of Health. The consumption report, continues to not balance with production, as it has for many years. I am hoping that the new meters in the City will help us resolve this issue.

JANUARY		2021 WATER PRODUCTION							
	2018	2019	2020	2021		2018	2019	2020	2021
<b>Jan</b>	1,797,800	2,121,438	2,036,291	<b>2,277,596</b>	<b>Jul</b>	17,454,000	18,968,280	16,601,532	
<b>Feb</b>	1,552,000	2,056,813	1,946,743		<b>Aug</b>	14,152,900	16,600,547	16,750,284	
<b>Mar</b>	1,778,900	2,260,796	2,373,833		<b>Sep</b>	10,192,700	8,729,598	12,227,228	
<b>Apr</b>	2,963,400	4,503,629	6,608,729		<b>Oct</b>	6,663,600	4,690,568	5,526,800	
<b>May</b>	9,611,300	12,892,999	10,446,235		<b>Nov</b>	2,076,600	2,178,552	1,961,332	
<b>Jun</b>	13,457,700	16,082,186	13,249,332		<b>Dec</b>	1,867,529	1,918,369	1,943,276	
<b>Year to Date Total Gallons</b>	2018	2019	2020	2021		<i>Pump Station #3</i>		<i>154,800</i>	
	1,797,800	2,121,438	2,036,291	2,277,596		<i>Pump Station #4</i>		<i>2,122,796</i>	
<b>Water consumption is up for the month of January</b>									
<b>Water Quality Testing</b>									
<b>Coliform Test</b>		<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>							
<b>1/18/2021</b>		<b>2 Samples</b>			<b>Coliform absent</b>				
<b>Chlorine Monitoring</b>		<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>							
<b>1/4-1/29/2021</b>	<i>Month Median of 0.31</i>	<i>Daily samples Mon-Fri</i>			<i>Target Min Chlorine Levels is 0.20 at furthest point in system. Target levels 0.3 - 1.50 (4.0 State MCL)</i>				
<b>Manganese Testing</b>	<i>Historic Highs from old wells 0.2-0.7 &amp; DOH MCL 0.05</i>								
	<b>Date</b>	<b>Most Current</b>	<b>Average</b>	<b>High</b>	<b>Low</b>	<b>Median</b>			
	<b>Pump Station #3</b>	<b>1-Oct</b>	<b>0.00018</b>	<b>0.00123</b>	<b>0.01207</b>	<b>0.00010</b>	<b>0.00017</b>		
	<b>Pump Station #4</b>	<b>Jan-21</b>	<b>0.10410</b>	<b>0.04416</b>	<b>0.10410</b>	<b>0.00037</b>	<b>0.02439</b>		
<b>Pump Station #4 manganese level remains high (probably the new normal)</b>									

## SEWER DEPARTMENT

- Still no contract from ECY on Sewer Plan. I contacted them, and they stated that they are significantly behind.
- Warren Street Lift Station – Float system replaced/repared. It required a guy (Mike) to harness up and drop down into the bottom, about 20’ into the chamber to make the repairs. The line into the chamber also plugged this month, requiring the crew to rod it out. I spoke with Varela regarding the lid replacement, which is budgeted for this year. They suggest I wait until we get the sewer system inventoried and assessed, as we may want to use that capital expense to leverage some grants. Lid replacement for the Warren and Headworks lift stations are estimated at \$15,000 each.

- Mike, David, and I worked on drafting a Lab Manual for our Wastewater Treatment Plant. SEE ATTACHED We have been working on it little by little for some years, but Lab Accreditation required a digital copy of it this year. The last year it was updated was in 2000, so it was a little out dated. Chad with Evergreen Rural Water assisted us in gathering the needed Standard Operating Procedures (SOPs), which Omak was kind enough to share. Typically, operators share spreadsheets, and tricks of the trade with each other through Evergreen Rural Water. They are an invaluable resource of networking, tools, and expertise.
- The WWTP has been accredited for lab testing for 2021.

City of Pateros Sewer Department							
<b>Permittee:</b> Pateros POTW		<b>Permit #:</b> WA002055		<b>Operator:</b> Mike Lambert			
2021 Wastewater Processed in Gallons							
	2019	2020	2021		2019	2020	2021
<b>January</b>	1,267,300	1,458,000	1,549,650	<b>July</b>	1,580,000	1,663,000	
<b>February</b>	1,136,000	1,342,700		<b>August</b>	1,415,100	1,494,200	
<b>March</b>	1,284,500	1,299,500		<b>September</b>	1,496,300	1,457,100	
<b>April</b>	1,741,500	1,239,700		<b>October</b>	1,611,290	1,419,900	
<b>May</b>	1,427,400	1,489,000		<b>November</b>	1,442,200	1,311,700	
<b>June</b>	1,448,900	1,488,700		<b>December</b>	1,433,100	1,227,900	
<b>Year To Date Totals</b>		2019	2020	2021			
<b>Gallons Processed</b>		1,267,300	1,458,000	1,549,650			
Wastewater Effluent Monitoring							
<b>Total BOD 5-day</b>	<i>Organic Loading Rates (Permit Range <math>\geq 85\%</math>)</i>						
Weekly Test	4 - Tests		99% removal				
<b>TSS</b>	<i>Total Suspended Solids, non organics (Permit Range <math>\geq 85\%</math>)</i>						
Weekly Test	4-tests		94.75% removal				
<b>pH</b>	<i>(Daily min/max permit range equal/between pH 6 and pH 9)</i>						
Weekly minimum	Mon-Fri		7				
Weekly Maximum	Mon-Fri		7.4				
<b>Fecal Coliform Bacteria</b>	<i>(Permit Range Weekly <math>\leq 100</math>; Monthly <math>\leq 200</math>)</i>						
Monthly geometric mean	4-tests		3.8				
<b>Dissolved Oxygen</b>	<i>Daily – Report Only</i>						
Daily Test	Mon-Fri		8.6 Maximum				
<b>Temperature</b>	<i>Daily – Report Only</i>						
Daily Test	Mon-Fri		12.4 Degrees C Average				
<b>Ammonia</b>	<i>Monthly – Report Only</i>						
1/14/2021	1 sample		0.1				

**January Notes:**  
 Processed gallons are up a small amount for January. Mike's Process Control #s look very good for January. A few call backs, with pump and mechanical failures.