

# City of Pateros, Public Works & Parks

July 2020 –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

It is impossible to discuss Public Works activities without mentioning how disruptive it has been to the team. Social distancing and PPE requirements add an extra layer of work that at the least is inconvenient and annoying and at the most miserable. We continue to be vigilant in protecting staff and doing our part in reducing the spread of the disease.

I have spent some time reviewing the state orders regarding required PPE for employees. The following directive was sent out to all employees, and are being followed. Face coverings and other PPE are being provided for staff.

- 1. As mandated, all employees, officials, and guests entering City Hall shall have a face covering on. City business will be conducted through the locked door of the foyer, as it has since March of 2020. Best practice is to conduct small meetings outside of City Hall, where individuals can maintain a minimum of 6' separation.***
- 2. Employees within City Hall are not required to wear masks when working from individual work stations. Employees in City Hall will wear masks when entering other individual work spaces.***
- 3. The Pateros Mall is considered a public space and all employees are required to wear mask when on the Pateros Mall.***
- 4. Employees working outdoors in public areas are not required to wear face covering provided that a distance of 6' feet is maintained from people who are not members of their household. If such distance cannot be maintained, a face covering is required.***
- 5. All employees shall have a face covering on their person and available for use during working hours.***

## ADMINISTRATIVE

Scott Lewis with Apollo Solutions is looking to re-apply for the solar loan. I will be meeting with him to review a possible solar array on the new reservoir.

## STREET DEPARTMENT

- **TIB** – The chip seal for Ives and North has been completed. The project turned out well. Varela oversaw quality control and they were also pleased with Granite's work. Our next TIB project is the sidewalk project, which I anticipate kicking off in earnest later this summer.
- We received one complaint about oil splashing on a vehicle during the chip seal project. The claims department at Granite Construction has been in touch with that resident.

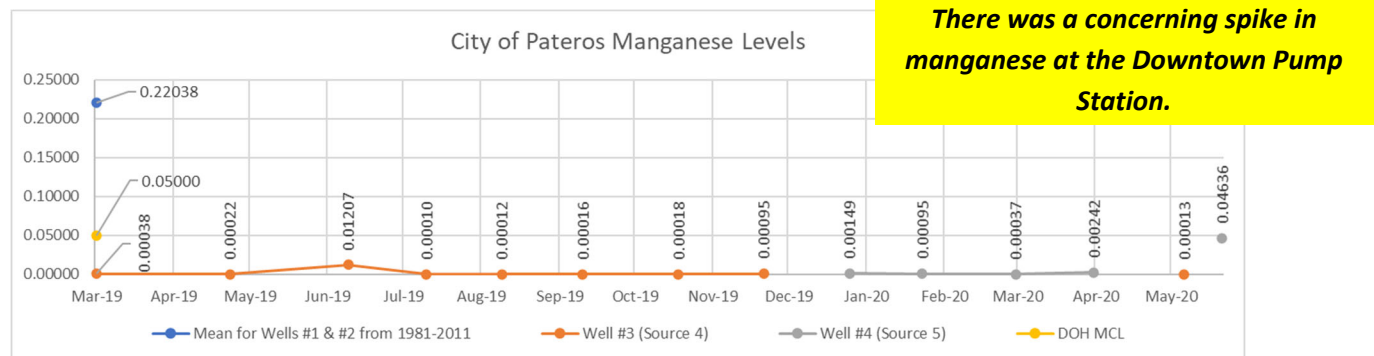
## WATER DEPARTMENT

I have been working on developing Water Department procedures for Fire Hydrant Inspection and Valve Actuation Program. The Flushing Program also requires a complete re-write, as the source of water has changed in the system. Implementing these programs will help satisfy insurance requirements and allow us to get in front of maintenance, instead of waiting for assets to fail before addressing them.

2020 WATER PRODUCTION							
	2018	2019	2020		2018	2019	2020
<b>Jan</b>	1,797,800	2,121,438	<b>2,036,291</b>	<b>Jul</b>	17,454,000	18,968,280	
<b>Feb</b>	1,552,000	2,056,813	<b>1,946,743</b>	<b>Aug</b>	14,152,900	16,600,547	
<b>Mar</b>	1,778,900	2,260,796	<b>2,373,833</b>	<b>Sep</b>	10,192,700	8,729,598	
<b>Apr</b>	2,963,400	4,503,629	<b>6,608,729</b>	<b>Oct</b>	6,663,600	4,690,568	
<b>May</b>	9,611,300	12,892,999	<b>10,446,235</b>	<b>Nov</b>	2,076,600	2,178,552	
<b>Jun</b>	13,457,700	16,082,186	<b>13,249,332</b>	<b>Dec</b>	1,867,529	1,918,369	
<b>Year to Date Total Gallons</b>	31,161,100	39,917,861	<b>36,661,163</b>	<i>Pump Station #3</i>		<i>6,633,832 gallons</i>	
				<i>Pump Station #4</i>		<i>6,615,500 gallons</i>	
Water Quality Testing							
<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>6/10/2020</b>		<b>1 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>6/1-6/30/2020</b>	<i>Month AVG of 0.37</i>	<b>Daily samples Mon-Fri</b>	<i>Min Chlorine Levels is 0.20 at furthest point in system. Target levels 0.5 - 1.50 (4.0 State MCL)</i>				

### Water Project

We received two bids for the final water distribution system project. The project includes four projects A – water distribution lines, hydrants, testing ports, and fill station; B-demolition of old pump station; C-rerouting of water lines around Pateros Garden Apartments; and D-installation of new meters. The bids were competitive and just under the engineer estimate.



## PARKS

- 🌳 The new reservation system seems to be working well at Ives Landing. Park fees, even though parks were closed in April and May are at the highest levels since 2017.
- 🌳 A letter of thank-you should be sent to Douglas PUD for their continued support of our Park System. The City has experienced several declarations of emergency in the last 6 years, and it turns out the City park system is vital to our response and recovery during these emergencies. During the Carlton Complex and Okanogan Complex fires the parks were used as a safe place for those in the path of the fires and a common gathering place for civic leaders to address the community. The PUD contributes to our success monetary assistance; with assistance in regular tasks like seasonal dock placement, and keeping the swim area weed free; and large maintenance and investment projects like restroom upgrades, new docks, and new picnic shelters. As we have learned in past disasters, parks contribute to the health and safety of our community. During this pandemic, parks are a safe place for people to eat, exercise, and relax. People feel relatively safe gathering in our parks. Most popular is local “take-out” in the park, but we are also seeing business meetings in park shelters, campers escaping crowded cities, and travelers discovering the hidden gem of Pateros. The Douglas PUD greatly contributes to the health and safety of our community, and it is greatly appreciated.

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		\$ 276.00	\$ 285.00	\$ 280.92	
AUG	\$1,195.24	\$3,676.00	\$ 740.25		\$ 305.00	\$ 112.00	\$ 155.00	
SEP	\$ 410.35	\$ 814.00	\$1,739.00		\$ 97.00	\$ 143.00	\$ 236.06	
OCT	\$ 153.00	\$ 460.00	\$ 120.00		\$ 145.50	\$ 164.00	\$ 116.00	
NOV	\$ 6.00	\$ 37.00	\$ 145.00		\$ 104.75	\$ 53.00	\$ -	
DEC	\$ -	\$ -	\$ -		\$ -	\$ 83.00	\$ -	
<b>Total</b>	\$2,700.09	\$9,463.73	\$4,224.25	\$1,855.00	\$1,300.26	\$1,215.00	\$1,039.73	\$ 381.00
<b>6 Mo.</b>	\$ 656.50	\$1,609.85	\$ 280.00	\$1,855.00	\$ 372.01	\$ 375.00	\$ 251.75	\$ 381.00

## SEWER DEPARTMENT

Mike has been working on biosolid processing and repairs to the skimmers. We had a sampler go down in at the treatment plant. Costs for repairs and replacement are about \$4,400. This will stretch our Sewer Repair and Maintenance Budget.

City of Pateros Sewer Department					
<b>Permittee:</b> Pateros POTW	<b>Permit #:</b> WA0020559	<b>Operator:</b> Mike Lambert			
2020 Wastewater Processed in Gallons					
	2019	2020		2019	2020
<b>January</b>	1,267,300	<b>1,458,000</b>	<b>July</b>	1,580,000	
<b>February</b>	1,136,000	<b>1,342,700</b>	<b>August</b>	1,415,100	
<b>March</b>	1,284,500	<b>1,299,500</b>	<b>September</b>	1,496,300	
<b>April</b>	1,741,500	<b>1,239,700</b>	<b>October</b>	1,611,290	
<b>May</b>	1,427,400	<b>1,489,000</b>	<b>November</b>	1,442,200	
<b>June</b>	1,448,900	<b>1,488,700</b>	<b>December</b>	1,433,100	
<b>Year To Date Totals</b>	2019	2020		% in Change	
<b>Gallons Processed</b>	8,305,600	<b>8,317,600</b>		<b>0.1%</b>	
Wastewater Effluent Monitoring					
<b>Total BOD 5-day</b>	<i>Organic Loading Rates (Permit Range <math>\geq</math> 85%)</i>				
Weekly Test	4 - Tests	99% removal			
<b>TSS</b>	<i>Total Suspended Solids, non organics (Permit Range <math>\geq</math> 85%)</i>				
Weekly Test	4-tests	94.75% removal			
<b>pH</b>	<i>(Daily min/max permit range equal/between pH6 and pH9</i>				
Weekly minimum	Mon-Fri	6.9			
Weekly Maximum	Mon-Fri	7.4			
<b>Fecal Coliform Bacteria</b>	<i>(Permit Range Weekly <math>\leq</math> 100; Monthly <math>\leq</math> 200</i>				
Weekly geometric mean	5-tests	1.50			
Monthly geometric mean	5-Tests	1.50			
<b>Dissolved Oxygen</b>	<i>Daily – Report Only</i>				
Daily Test	Mon-Fri	6.1 Maximum			
<b>Temperature</b>	<i>Daily – Report Only</i>				
Daily Test	Mon-Fri	19.5 Degrees C Average			
<b>Ammonia</b>	<i>Monthly – Report Only</i>				
6/11/2020	1 sample	0.15			

**June Notes:**  
*Treatment processes in the summer tend to increase, especially when cherry harvest kicks in. Revenues from Apple House are down about 30% due to the new system they have installed. The new system has helped stabilize our processing. David is working with Mike weekly on processing issues.*