

# City of Pateros, Public Works & Parks

March 2020 – 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

COV-19 has been a major topic of concern for the City. I have had discussions with Emergency Management on how we should respond to the issue. We held a staff meeting and discussed how we should respond and if we are ready.

- Staff are to stay home if they are sick or suspect that they are contagious. This is standard practice.
- We have increased our disinfection routines and disinfect more frequently to areas where the public come into frequent contact, such City Hall doors and counters, and the public restrooms in the parks. We discussed Personal Protective Equipment, such as gloves and safety glasses, as part of our normal disinfecting process. We have reviewed and stepped up our procedures, and believe they are good practices to continue to guard against other commonly spread bacteria and viruses.
- We have redundancy in our system. In public works we cross train employees, so every employee, including myself, can manage all of public works. If under a self-imposed quarantine, we have the ability for sewer, water, public works, and City Hall to operate independently. We also have outside resources including access to: WAWARN, Okanogan County Emergency Management, Evergreen Rural Water, County Public Works Committee and state agencies. We have working relationships with neighboring communities and government agencies which can also provide assistance in the case of our Public Works crew being completely out of commission.
- Although an inconvenience, we discussed how we would operate City Hall if we had to close our doors.

As staff we are trying to stay informed, without it absorbing all of our routine activities, as we are getting lots of updates and notifications from every local, state and federal agency.

At present we do not see COV-19 effecting normal operations. The only issues on the horizon is whether the Arbor Day Celebration will need to be cancelled.

3/13/2020 Power outage - The City backup generators on the water system and sewer system operated as designed.

## ADMINISTRATIVE

**2/26 RMSA Operating Committee Meeting, SEATAC.** The board met and is in discussions on changes to the fee schedule, which may be very beneficial to the City. RMSA is looking at charging based on more specific exposures, such as police departments, administration, and public works.

**2/28 RMSA** approved \$5,000 Loss Prevention Grant, which will be used for five cameras to help fight vandalism at Memorial Park, Peninsula Park, Ives Landing/Public Works Shop, Tennis Courts, and Riverview Pavilion. Methow Boat Launch already has a camera. The camera's will be tied in with the Public Works computer, and photos will be accessible at the Public Works Building.

**3/5 PBLTRO** (Pateros Brewster Long Term Recovery Organization) meets twice a year and discusses local issues, specifically recovery, economy, housing, and more.

**3/12 Planner** – George Brady, Kurt Danison and I met to strategize the writing of the USDA Rural Business Development Grant and how to court the plastics industry to the Starr Road Business Development site.

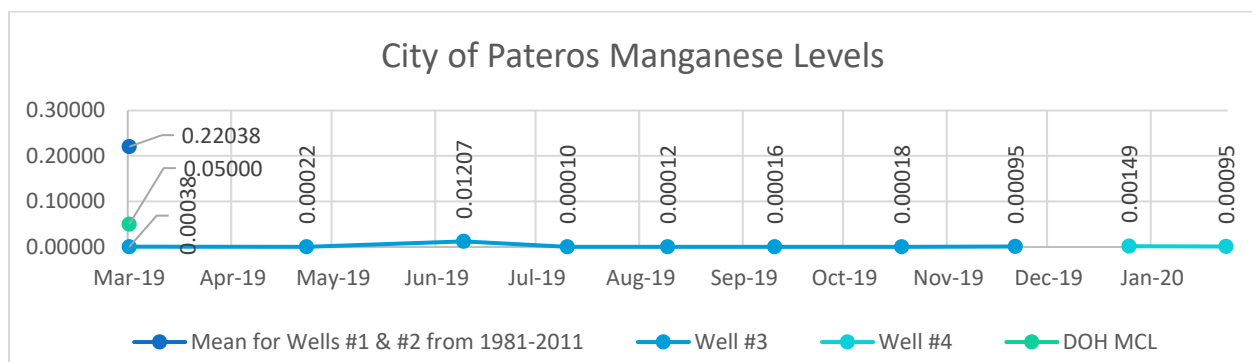
**3/12 Planning Agency** met to discuss Rock Garden Holdings agreement. Recommendations were discussed and forwarded to Council. Meeting regarding Pateros Trailer Court planned development was postponed.

## STREET DEPARTMENT

- I spoke with Gary Josh, Okanogan County Public Works Director. The County is doing chip seals for City's again. This will probably be the best price we can get. We can also use the County with TIB funding. I will be looking at our budget to see if we can do an annual or biannual chip seal project.
- Mike, Ryan, and David have all updated their flaggers card, which is required for road work. The certification is good for three years. Doug's was updated last year.

## WATER DEPARTMENT

Manganese levels remain very low in the water system.



## Water Project

- See **attached letter** to POW Contracting regarding the downtown pump station concrete.
- POW and Midland repaired a pedestrian light that appeared to be incorrectly installed.
- Public Works evaluated five meters brands and chose Kamstrup meters. The city currently uses Sensus meters. The Kamstrup meter is a well built and well-priced meter that seems to be the best fit for our size of system. Complete Equipment out of Othello is the supplier, and they are the supplier for our new chlorine system. We have had good experience with Complete Equipment and they have been very responsive to our needs. See **attached evaluation**.
- I received 30% complete construction documents for the final water project. The crew and I have reviewed them and submitted edits and comments.
- CDBG Economic Development Grant close-out paperwork is complete.
- I met with Ryan at WA EMD and completed our final site visit and closeout of the FEMA Hazard Mitigation Grant Program.

2020 WATER CONSUMPTION							
	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>Sep</b>	10,192,700	8,729,598	
<b>Apr</b>	2,963,400	4,503,629		<b>Oct</b>	6,663,600	4,690,568	
<b>May</b>	9,611,300	12,892,999		<b>Nov</b>	2,076,600	2,178,552	
<b>Jun</b>	13,457,700	16,082,186		<b>Dec</b>	1,867,529	1,918,369	
<b>Year to Date Total Gallons</b>	2018	2019	<b>2020</b>	<b>Water consumption is down slightly in the first months of 2020</b>			
	3,349,800	4,178,251	<b>3,983,034</b>				
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>2/12/2020</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>2/3/2020 -2/28/2020</b>	<b>Month AVG of 0.50</b>	<b>Daily samples Mon-Fri</b>	<b>Min Chlorine Levels is 0.20 at furthest point in system. Target levels 0.5 - 1.50 (4.0 State MCL)</b>				

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	
February	1,136,000	1,342,700	August	1,415,100	
March	1,284,500		September	1,496,300	
April	1,741,500		October	1,611,290	
May	1,427,400		November	1,442,200	
June	1,448,900		December	1,433,100	
Year to Date Totals Gallons Processed		2019	2020		% in Change
		2,403,300	2,800,700		16.5%
Wastewater Effluent Monitoring					
Total BOD 5-day		Organic Loading Rates (Permit Range $\geq 85\%$ )			
Weekly Test		4 - Tests	98.5% removal		
TSS		Total Suspended Solids, non organics (Permit Range $\geq 85\%$ )			
Weekly Test		4-tests	95.5% removal		
pH		(Daily min/max permit range equal/between pH6 and pH9)			
Weekly minimum		Mon-Fri	6.8		
Weekly Maximum		Mon-Fri	7.1		
Fecal Coliform Bacteria		(Permit Range Weekly $\leq 100$ ; Monthly $\leq 200$ )			
Weekly geometric mean		4-tests	8.2		
Monthly geometric mean		4-Tests	8.2		
Dissolved Oxygen		Daily – Report Only			
Daily Test		Mon-Fri	5.6 Maximum		
Temperature		Daily – Report Only			
Daily Test		Mon-Fri	12.3 Degrees C Average		
Ammonia		Monthly – Report Only			
2/12/2020		1 sample	0.07		

**February Notes:**  
 We are working on fine tuning our processes at the plant. We have some equipment on loan from Evergreen Rural Water to help us. The project has two goals, one to get better effluent quality, the second is to reduce electricity use. A 17% increase is a good jump in usage. Unsure why, it does not appear to be from Apple House which is our only metered sewer service.

**SEWER DEPARTMENT**

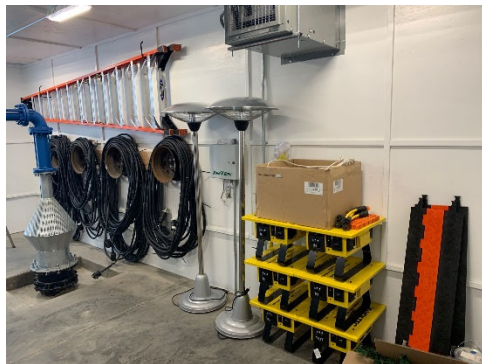
Our NPDES permit expires March 31, 2020 (the permit that allows us to discharge our sewer into the Columbia River). The permit has been administratively extended until ECY has issued our new permit. **See attached letter. The results of our compliance inspection are also attached.**

**PARKS**

- 🌳 3/11 Ryan reported graffiti to Kerri and the Sherriff's office under the rail bridge.
- 🌳 The City purchased a push mower for the Riverview Pavilion, and a brush mower for the ditch and the Starr Business Development.
- 🌳 Ryan and David finished putting out cassoron to help reduce weeds this season.
- 🌳 David and Ryan are both studying to pass the upcoming pesticide tests, that is if it is not cancelled due to the number of people gathering to take the test.
- 🌳 Tennis nets are up for tennis season



*3/11 Graffiti under train bridge*



*Storage wall for event equipment at Riverview Pavilion*

*Dog house for lawnmower, so we are not keeping fuel in the pump station*

**The White Board  
Tasks at  
Public Works & Parks**

**COMPLETED**

- Meter Inventory
- Racks and storage at downtown PS
- Flaggers cards renewed
- Restroom remodel
- Cruse goose installed
- Casoron applied in landscapes

**IN-PROGRESS**

- Doug CDL Training
- Spreading mulch in parks under trees
- Cameras ordered for parks
- Arbor Day planning
- Finishing annual equipment maint.

**HIGH PRIORITY**

- Industrial Way hydrant repair
- Sewer Accreditation Testing 3/23-27

**PERPETUAL  
CALENDAR**

- Water meter reading begins
- Aerate & Fertilize lawns
- Sweep Streets
- Spring landscape cleanups

