

# City of Pateros, Public Works & Parks

February 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

The month of January flew. Sickness has hammered staff. Doug was out most of January and the first part of February. The addition of David has helped tremendously, as we are able to get our daily routine work completed, and still have time to work on projects. Kerri and I were out on vacation for 10 days.

The first week of January was the perfect week to remove holiday lights and banners. The lift was ordered and delivered from the new rental place in Brewster. However, it broke down before we were able to remove a single holiday banner. We have found a new source for rental in Omak. The lift is reserved for 2/18.

David is fitting into the staff very well. We have an excellent team right now. Good dynamics, high moral, and good productivity. David has hit the ground running.

The crew is almost completed with the remodel of the Public Works restroom. It has been on the to-do list for many years. An unpleasant task, but much needed. The project included installing new flooring and plywood walls; a new toilet and replumbing of sink; new light fixture and first coat of paint is on the walls. The new restroom is suitable as a municipal facility.



*Public Works Shop Restroom*

I was able to get substantial data to our asset management team. They will be adding seven new layers this year to our asset management tracking program, including light poles; water pumps and equipment; water facilities and pump houses; streets; storm water; signs; and sidewalks. We continue to make incremental progress in our asset management system. The purpose of the system is to improve the maintenance and operation of City assets, and to provide a more meaningful way to prepare, prioritize and budget for the failure and replacement of those assets.

## ADMINISTRATIVE

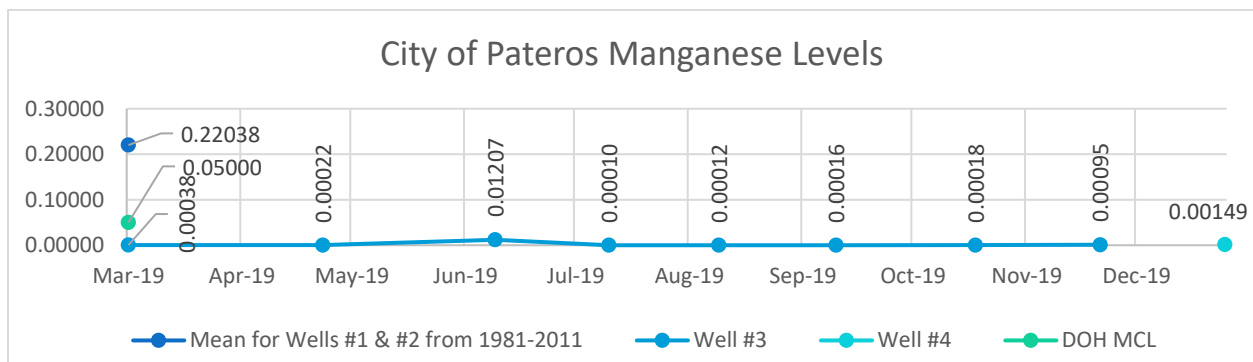
This is the first year that the City has completed an inventory. This is one of the items that was noted in our discussions with the State Auditors. We followed the 2019 Internal Controls Policy that was adopted in September. Kim was brought in as an outside source to work with each of the staff as they identified items that are valued at over \$300. As it is the first year, labels were attached to each item, model and Serial numbers noted, and the condition of the asset was estimated. After the survey was completed, I randomly verified items throughout each department. We also took pictures of each space, room, and bay to document all existing tools and equipment. This will give us a photographic record in case of a catastrophic event. The process took about a day and a half, but should be much quicker next year, as the items inventoried are now labeled and in spreadsheet form.

## STREET DEPARTMENT

- This was a pretty light year for snow (It appears the bulk of it is over). The new bobcat side-by-side worked really well. It does have some maneuvering limitations in the Mall, as it is a little bit longer than the skid steer. The downtown parking around Pump Station #3 is more difficult to keep clean, and we still have some refining to do. In general we were pleased with the results of the Anti-Ice Program. We did find a new source of magnesium chloride with the State, that is about 1/3<sup>rd</sup> of the cost of what we were paying wholesale.
- We had sickness and guys out during plowing season, but because we had the additional employee, we were able to keep on top of clearing the roads.
- Bid opening for Ives and North Street. 2/18 at 1PM

## WATER DEPARTMENT

Manganese levels remain very low in the water system.



## Water Project

- Pump Station #3 has been the lead pump since December. The new pump station is running without issue. During the recent power outage, the backup generators worked as design. It
- POW and Midland have completed almost all of the items on the punch list. We still have some light fixture issues in the main pump room. I have a meeting setup for 2/19 to meet

with Varela, the contractor, and concrete subcontractor to discuss remedy for the unsatisfactory concrete on Lakeshore Drive.

- The crew and I have almost completed a full water meter survey in preparation for the meter replacement project. RD has approved the project including the Pateros Gardens bypass and the Pederson Road Fire Hydrant Extension. We are waiting on approval from DOH.
- Erlandsen has completed the survey of the project so that Varela can begin drafting plans. The goal is to go out to bid by the end of March.
- Plateau is conducting a cultural survey at the Pederson Road extension to meet the RD requirements.
- We have started the closeout process of the CDBG Economic Development Grant.
- I have started the closeout process for the FEMA Hazard Mitigation Grant Program. I have a final inspection for closeout meeting setup with WA EMD for March 6<sup>th</sup>. Varela may attend this meeting.

### City of Pateros Water Department Report

System ID **66450 C** Total Service Connections **278**  
Reservoir Capacity **565,000 gallons** Wells **2**

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>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 month of 2020</b>			
	1,797,800	2,121,438	<b>2,036,291</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>1/14/2020</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>1/2/2020 - 1/31/2020</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		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	
<b>Year To Date Totals</b>		2019	2020		% in Change
<b>Gallons Processed</b>		1,267,300	1,458,000		15.0%
Wastewater Effluent Monitoring					
<b>Total BOD 5-day</b>		<i>Organic Loading Rates (Permit Range <math>\geq</math> 85%)</i>			
Weekly Test		4 - Tests	97.8% removal		
<b>TSS</b>		<i>Total Suspended Solids, non organics (Permit Range <math>\geq</math> 85%)</i>			
Weekly Test		4-tests	92.4% removal		
<b>pH</b>		<i>(Daily min/max permit range equal/between pH6 and pH9)</i>			
Weekly minimum		Mon-Fri	6.6		
Weekly Maximum		Mon-Fri	7.1		
<b>Fecal Coliform Bacteria</b>		<i>(Permit Range Weekly <math>\leq</math> 100; Monthly <math>\leq</math> 200)</i>			
Weekly geometric mean		4-tests	8.2		
Monthly geometric mean		4-Tests	8.2		
<b>Dissolved Oxygen</b>		<i>Daily – Report Only</i>			
Daily Test		Mon-Fri	5.8 Maximum		
<b>Temperature</b>		<i>Daily – Report Only</i>			
Daily Test		Mon-Fri	14 Degrees C Average		
<b>Ammonia</b>		<i>Monthly – Report Only</i>			
1/14/2020		1 sample	0.08		

**January Notes:**  
We had limited freezing problems this year, due to moderate weather. The plant most likely was hit with a chemical, like chlorine or other cleaner, as we saw a significant die-off of organisms. Mike made processing adjustments and we passed all of our internal lab tests.

**SEWER DEPARTMENT**

- I had a meeting with our permit manager and an Ecology Engineer to discuss the discrepancies in the existing permit and the engineering report of our plant. The permit actually has us limited to 25% of our actual capacity. It looks like we will get this resolved on the next permit which ECY is working on.
- David is training to be backup for Mike’s weekly lab testing. He is very familiar with the process. He will be doing his first full testing routine on 2/21.  
I submitted our Notice of Intent (NOI) for biosolids to State ECY, Region ECY, and County Health District.

**PARKS**

- 🔧 Ryan is building racks for event equipment, primarily electrical equipment at Pump Station #3. As the Pump Station is our potable source of water, we will be keeping only limited park equipment in the Pump Station.
- 🔧 Ryan passed one of the three pesticide tests required for his license. He will be taking two additional tests in the coming weeks. David is also scheduled to take the pesticide test in Wenatchee.
- 🔧 The Tree Board met to discuss Arbor Day 2020, which will be held Friday, April 24<sup>th</sup> from 3:30-5:30. A draft program is attached, we will be finalizing the program by the end of February.
- 🔧 The PUD will not be able to relocate the small building to Ives Landing, as Ives Landing Park, except for the shoreline is not in Douglas PUD project boundary. Even though the PUD helped us with the construction of Ives Landing, we are solely responsible for the maintenance and repairs of all facilities except the launch and some pavement.

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

**COMPLETED**

- Inventory
- Holiday lights and banners down
- Meter Inventory

**IN-PROGRESS**

- Lab Accreditation Tests
- Racks and storage at PS#3
- CEU training & testing
- Restroom remodel
- Triangle property cleanup
- David Lab Training

**HIGH PRIORITY**

- Snow & Ice removal
- Winter weather and wind storm

**PERPETUAL  
CALENDAR**

- Snow & Ice removal
- Service equipment

**VANDALISM – SEE SOMETHING/SAY SOMETHING**

- **Window broken out at Methow Boat Launch Park Restroom**
- **Fire in Memorial Park Restroom Men’s Room. Someone started a fire in the seat covers dispenser. We were able to get the fire out with minimal damage to the stall.**
- **Top of light bollard under Rail Bridge destroyed**