

City of Pateros, Public Works & Parks Report

City Council Report

May 17, 2019

By City Administrator/
Public Works Supervisor

Jord L. Wilson, MLA



Public Works Team

Mike Lambert – Wastewater

Doug Kirk – Water

Ryan Sisler - Parks

ADMINISTRATIVE

Community & Economic Development

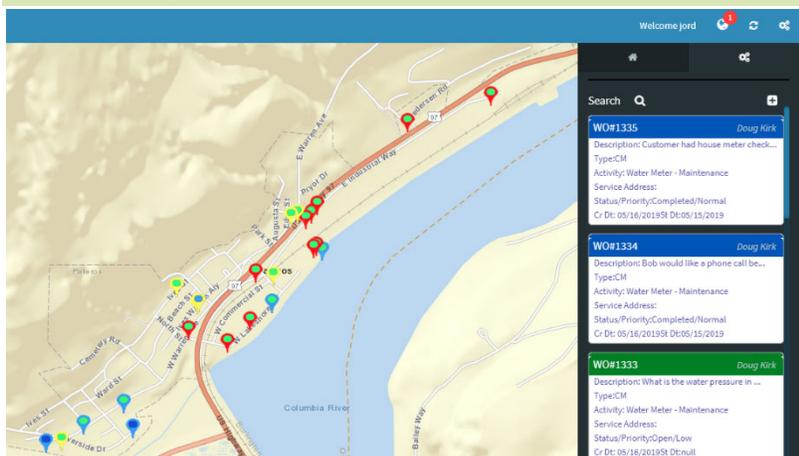
- Met with Washington State Transportation Commission as they stopped at Sweet River Bakery on their Okanogan tour. I welcomed them to Pateros, and gave them a short talk on the Carlton Complex Fire, our recovery, and progress since 2014.

PUBLIC WORKS

Spring is always a scramble. All the irrigations and restrooms in the parks have to come online. This year has been exceptionally busy. Spring came a month late, and then a hot spell to further stress lawns. Ryan, our new parks guy, had to be gone for personal reasons for two weeks, so I have been out in the field trying to get irrigation systems on and park restrooms open. In addition to our normal spring tasks, we have quite a few tasks on our high-priority list moving forward:

- Finish irrigation repairs
- Streets swept and re-stripped
- Make plumbing repairs to restrooms and main gazebo
- Splash pad landscaped cleaned up and fountain turned on
- Repair solenoids in sewer digesters
- Set McEuin bench in Memorial
- Install Library dog parking station
- Install signage at Ives Landing Park
- Pavement patch for potholes
- Plant Memorial Tree
- Repair bollards and install camera under bridge

Asset Management



We are making good use of our asset management program. All complaints are logged into the system, and work orders are generated and prioritized. Action is documented and archived. The coordination between City Hall and Public Works has been excellent, and I am able to monitor progress as work is completed.

1 5.17.2019 Screenshot of Asset Management Program

Streets & Equipment

- The Industrial Way project is way ahead of schedule and well within budget. I am very pleased with our contractor, Mitchel Paving. They have been great to work with. We have had minimal complaints, and they have all been addressed promptly.
- I worked with Pete with Varela on developing our 6-year Street Plan, and Kerri and I finalized it. There is some concern with TIB funding, SEE ATTACHED MEMO.



2 Industrial Way Rehabilitation Project

PARKS

Ryan is back on the job after two weeks of family leave. He is highly organized and highly capable. He sees the big picture of the parks and is taking ownership. The rain has given us some breathing room in the parks. All of the lawn irrigation and most of the shrub/tree irrigation zones are now up and running. Our irrigation system is a complex system and has 23 Controllers, 6 Manual Systems, and 66 Valves. We still have a lot of adjustment left, but the irrigation system is up and running for 2019.

- We installed the two main irrigation manifolds on the ROW park that runs along US97 from Independence to Dawson. The old manifolds were abandoned because of the new water system. We have one left to install at the old pump station. We will wait until the pump station has been demo'd before we install the new manifold.
- Kim is gone most of the month of May. Ryan will be maintaining the cleaning. Craig is scheduled to start the first part of June and will be helping mostly with parks and street projects this year.
- The Tennis Courts and Methow Boat Launch have one restroom open, while repairs are being made to the other restroom. The windows were replaced at Methow Boat Launch and we are working on the plumbing repairs. Plumbing repairs are also required at the main gazebo in Memorial Park.
- Thanks to the Douglas PUD, the swim dock and safety buoys are in place at Peninsula Park. The docks on Memorial will stay closed, except one until after run-off season. Ives Landing boat launch remains open.



3 Parks are greening up.

- I am very pleased with our Arbor Day activities this year. The focus was on the kids and community volunteerism. We had great turn out for the week of projects. The crowd was mostly kids, and we had plenty of crafts and fun activities for them to participate.

WATER DEPARTMENT

Doug passed his WDM1 test, so we now have three certified operators qualified to operate our water system. Good Job to Doug!

Requests for Spring meter cleanouts continue to come in. Doug has been very busy and is very good at educating the customer. He takes pride in his water system and is a great asset to the City. The new asset management system is working very well at tracking work orders.

We will have a sanitary survey this by Department of Health. We have been notified; the exact time has not been scheduled. I attended a training, so that we can be prepared for the survey. They are performed every five years, so this will be my first inspection.

We have had numerous complaints of black in the water. We believe that this is caused by three reasons, higher flows, increased chlorine levels, and higher pressures. Our daily system production has climbed from an average of 73,000 gallons to 150,000 gallons with a peak production day of 368,000 gallons. We are getting a lot of action in the lines, scouring out the residual manganese. Our new system operates with higher chlorine levels, which we also contribute to the old manganese sluffing off. And we have much higher pressures throughout the City. The water level at the reservoir fluctuates between 974 feet and 977 feet in elevation. This makes our pressure fluctuate about 1.3 pounds of pressure throughout a pumping cycle. The highest pressure being right at about 80 pounds in the lowest zones along Riverside Drive between Eveline and Warren and at some areas along Lakeshore Drive.

There have been a few complaints regarding the higher water pressure. For many it has required adjustments to the irrigation systems this spring. **With pressures higher, irrigation systems will use more water!** We have seen a 52% increase in water use from the same month last year. **People could get a surprise water bill if they do not adjust their sprinkler systems to match up with the new pressures.**

We did learn some things about our system during the extend power outage. Our generator kicked on and operated as it should. We had some difficulty with the telemetry (communication hardware). I have met with the engineers regarding the problems, and we are working on a solution.

The cemetery irrigation project is finally online. We lost a fair amount of grass, and are hoping that the majority of it will recover before Memorial Day. There were numerous issues that delayed the turn on including the Okanogan PUD installing the new meter and other electrical issues that followed. The system is up and running, and they have great pressure. Vince said that he will be changing the nozzles on the irrigation heads to match the new pressure.

The Pump Station #4 project is full-steam ahead. See Attached Schedule. I am very pleased with the contractor; they are very knowledgeable and easy to work with. They are a great crew. We did hit a snag

SEWER DEPARTMENT

Spring is also extremely busy for Mike at the Sewer Plant. Much of the outdoor maintenance cannot be done during the winter months, so the outside of the plant gets a complete scour. The drying beds are too deep from winter use to use a machine, so they must be manually loaded with a pitch fork. Mike is diligent to keep his daily/weekly routine activities current while prioritizing the spring cleanup.

We have had difficulty getting the actuating valve required to repair one of our digesters on the plant. We believe it is finally on its way. The plant is still operating within our DOE permit, but it is not operating at maximum efficiency. Making the repair is of the highest priority when the new valves arrive.

Apple House plans to turn on their new pre-treatment system in the month of May. This should greatly reduce the amount of organic material coming from our packing facilities.

City of Pateros Sewer Department							
Permitee: Pateros POTW		Permit #: WA0020559		Operator: Mike Lambert			
2019 Wastewater Processed in Gallons							
	2018	2019	% in Change		2018	2019	% in Change
January	1,390,000	1,267,300	-8.8%	July	1,763,500		
February	1,615,500	1,136,000	-29.7%	August	1,499,300		
March	1,451,500	1,284,500	-11.5%	September	1,505,000		
April	1,566,000	1,741,500	11.2%	October	1,545,500		
May	1,496,800			November	1,179,200		
June	1,596,800			December	1,164,200		
Year To Date Totals		2018		2019		% in Change	
Gallons Processed		6,023,000		5,429,300		-9.9%	
Wastewater Effluent Monitoring							
Total BOD 5-day		<i>Organic Loading Rates (Permit Range ≥ 85%)</i>					
Weekly Test		4 - Tests		98.6% removal			
TSS		<i>Total Suspended Solids, non organics (Permit Range ≥ 85%)</i>					
Weekly Test		4-tests		96.8% removal			
pH		<i>(Daily min/max permit range equal/between pH6 and pH9)</i>					
Weekly minimum		Mon-Fri		6.9			
Weekly Maximum		Mon-Fri		7.7			
Fecal Coliform Bacteria		<i>(Permit Range Weekly ≤ 100; Monthly ≤ 200)</i>					
Weekly geometric mean		4-tests		7.1			
Monthly geometric mean		4-Tests		7.1			
Dissolved Oxygen		<i>Daily – Report Only</i>					
Daily Test		Mon-Fri		7 Maximum			
Temperature		<i>Daily – Report Only</i>					
Daily Test		Mon-Fri		15.5 Degrees C Average			
Ammonia		<i>Monthly – Report Only</i>					
4/29/2019		1 sample		0.21			

April Notes:
 Numbers look good for April sewer. Flows are similar to 2018 levels. Our ammonia level is a little higher than normal, but that is probably due to the actuating valve that needs repaired.