

City of Pateros, Public Works & Parks Report

City Council Report

January 15, 2018

By City Administrator

Jord L. Wilson, MLA



Public Works Team

Mike Lambert – Wastewater

Justin Carrington – Parks

Devon Archambault - Water

Public Works

The deep freeze shut down several projects until spring. The crew has moved to inside projects where possible. Equipment and facility maintenance is at the top of the list for winter projects. Snow and ice removal consumes much of the week. The crew continues to maintain its daily/weekly inspections of pumps and facilities through snow events.

Safety Topics and Training – Review of safety policy, facility safety inspection.



Street Department

- We sent an additional information flyer out to help inform the public and businesses our policies and procedures regarding snow removal. The new policy guidelines have been very helpful. I have tried to keep the City website current regarding "snow events".
- We have two-rookie snow plow operators this year, and they are doing well. There is always a learning curve, and every snow is different. We are responsive to community complaints, concerns, and

suggestions. The crew try very hard to be considerate of the residents. The staff knows snow can be very challenging for residents.

- 1/11/2018 “Big Snow”. Mike plowed most of the day trying to keep the roads clear. Devon plowed the mall twice. I came in after hours and plowed the two downtown parking lots to make room for the morning conference planned at the Central Bldg. The crew has been fighting winter colds, congestion, and stomach sickness. 1/12/2018 Devon started prepping sidewalks early at 2am; Mike and Justin followed at 4am. The State truck broke down within an hour and set us back, and the roads were too slick for the new dump truck to finish the route. The backup plow we moved to the small dump truck was used to finish the routes. We will be gearing up the new dump truck to assure it is more useable as a backup vehicle.
- Next step on the Industrial Way repaving project is to meet with Engineers and land owners to coordinate the timing of the project.

Administrative

- Kris Erlandsen and I met with Scott Detro regarding land issues on Industrial Way.
- I will be working on end of the year through the end of January, reporting for grants, DOH, and ECY.

Parks and Community Activities

- 🌳 Kurt and I have been working on the 2017 Park and Rec plan
- 🌳 **Douglas PUD** – The dock replacement project continues. There have been some challenges in pile driving, but Scott says they are on schedule.
- 🌳 **Douglas PUD** – I am working with Scott in reviewing the picnic shelters in Memorial Park. The wood on structures has rotted to a point where we are unsure if they can be repaired.

Memorial Park Curbside Parking	
2016 receipts	2017 receipts
\$3,180.18	\$2,499.99

City of Pateros Water Department

System ID	66450 C	Total Service Connections	272
Distribution Capacity	298,000 gallons	Wells	2

The water department has had a few frozen water meters that required repairs. Information and tips was mailed out to residents, reminding them to keep water running when temperatures get very cold.

2017 Water Produced in Gallons			
January	2,468,300	July	16,051,200
February	2,150,900	August	13,730,200
March	1,933,900	September	9,832,600
April	1,614,700	October	5,084,600
May	7,199,500	November	2,028,700
June	11,511,300	December	1,720,800
The City produced 71 million gallons of water in 2017			
November, 2017 Water Quality Testing			
Coliform Test	<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>		
12/12/2017	2 samples tested	Coliform absent	
Chlorine Monitoring	<i>A target residual of 0.1-0.5 used to control microbes</i>		
12/1 – 12/30/2017	Daily samples Mon-Fri	Chlorine residual present	
Service			
New Connections	No new connections		

Water System Improvements

- A final pump test was completed at Pearl Street to evaluate the amount of sand coming out of the well. All of the analysis is not complete, but early results show that a 900-1000 gpm pump should work with minimum amounts of sand.
- The final water tests are in and all tests have been positive.
- Varela is moving forward on pump station design. The goal is to have a 50% design draft for the Pearl Street well by the end of February and be ready to go out to bid in March.
- The downtown pump station will require more in-depth planning and development. The goal is to develop a schematic design for the downtown pump station by the end of February.
- I have asked FEMA for a one-year extension for the HMGP backup generation project. The extension, if approved, would give us until August 2019 to complete the project. Because the well location has changed location and split into two locations, I will also be submitting a scope of work change reflecting the changes. The HMGP would not cover additional costs, because of a change in scope, but the existing grant/loan package has some contingency built in to cover these costs.

City of Pateros Sewer Department

Permitee: Pateros POTW

Permit #: WA0020559 **Operator:** Mike Lambert

Winter is a challenging time for maintenance and operation at the wastewater treatment plant. You may have noticed the bright red lights in the evening, those are heat lamps trying to keep pipes and valves in working order through the low temperatures. Department of Ecology testing is current and within range.

2017 Wastewater Processed in Gallons			
January	1,850,900	July	1,900,000
February	1,388,600	August	1,590,300
March	1,472,200	September	1,233,900
April	1,408,400	October	1,328,800
May	1,530,900	November	1,325,300
June	1,619,400	December	1,390,100
The City processed 16.5 million gallons of wastewater in 2017			
November, 2017 Wastewater Effluent Monitoring			
Total BOD 5-day		<i>Organic Loading Rates (Permit Range ≥ 85%)</i>	
Weekly Test	4 - Tests	99% removal	
TSS		<i>Total Suspended Solids, non organics (Permit Range ≥ 85%)</i>	
Weekly Test	4-tests	96.5%	
pH		<i>(Daily min/max permit range equal/between pH6 and pH9)</i>	
Weekly minimum	4-test	7.0	
Weekly Maximum	4-test	7.4	
Fecal Coliform Bacteria		<i>(Permit Range Weekly ≤ 100; Monthly ≤ 200)</i>	
Weekly geometric mean	4-tests	1.18921	
Monthly geometric mean	4-Tests	1.18921	
Disolved Oxygen		<i>Daily – Report Only</i>	
Daily Test	Mon-Fri	Range 2-3.4	
Temperature		<i>Daily – Report Only</i>	
Daily Test	Mon-Fri	15.1 Degrees C Average	
Ammonia		<i>Monthly – Report Only</i>	
12/12/2017	1 sample	0.14	
Total Kjeldahl Nitrogen		4 th quarter - Yearly Reporting	
Nitrate plus Nitrite Nitrogen		4 th quarter - Yearly Reporting	
Oil and Grease		4 th quarter - Yearly Reporting	
Phosphorus (Total)		4 th quarter - Yearly Reporting	
Ives Landing Dump Station			
2016 receipts		2017 receipts	
\$1470.99		\$1,300.26	