

City of Pateros, Public Works & Parks

April 2021 –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

ADMINISTRATIVE

MUNICIPAL FACILITIES

Windfall at the Museum – Karen Sue Berry and the Lloyd Berry Estate donated a safe that was from ‘Old’ Town Hall. Lloyd Berry was the lead engineer for the Pateros Relocation Project during the construction of Wells Dam. Also donated were documents, maps, and pictures of the relocation project. The Lloyd Berry Estate donated \$1,500 to help display the materials. The Pateros Museum and Pateros City Hall is now open for visitors, with only one family at a time in the museum.

Network Upgrades – Vision, our IT service provider, completed our network upgrades to City Hall. The old network, no longer had capacity to manage additional workstations and the new phone system.

This project has been in the planning stages for several years. I worked with Vision this last winter and developed a plan, so that the Public Works crew could install all new cable for printers, computers, Wi-Fi, and phones for work stations. The new system has added layers of security, while still providing Wi-Fi to guests and staff. The completion of the



network allows us to now schedule the installation of the new phone system. It is difficult keeping up technology. The system remodel increases capacity for future expansion.

ADMINISTRATIVE, PLANNING, GRANTS, PROJECTS

Federal Infrastructure Project Call – Prepared two applications for infrastructure projects for submittal to Senator Patty Murray and Representative Dan Newhouse. Project #1 is renovation of Pateros Mall which would include utility repairs and upgrades and new pavement. Project #2 is infrastructure improvements to Starr Road Development for industrial/commercial businesses.

Emergency Management & Hazard Mitigation – completed a draft for Council’s review of projects and priorities related to Emergency Management and the County Multi Hazard Hazzard Plan and the Pateros Annex (section) of that plan.

CDBG – reached out to CDBG with two potential projects for the Planning-Only-Grant. The first project would look at developing construction standards

ECONOMIC DEVELOPMENT

POPUK MARKET – I have had two very productive meetings with a group starting a regional market. The Market is currently in Leavenworth and Cashmere and expanding into Entiat. Pateros has expressed interest in joining this group. By coordinating market dates and vendors and pooling resources, a regional market group is an attractive option for the City and a downtown market. The Market Committee has met on this, and is considering adding two markets a month from June to August as a pilot run. The end goal is to have a regular occurring weekly market in downtown Pateros. Under consideration is a Friday night and Saturday day market.

PUBLIC WORKS

Winter Barn - Electrician has installed electrical panel and meter box so main power can be installed to the new winter barn. I am still waiting on footing and tie-down plans from Varela.

STREET DEPARTMENT

- Kerri and I drafted a Street Closure Policy for review.
- I worked with Kerri and Scott Detro on drafting TBD documents.
- David has been working on sign replacements and installation.
- We have received our in-street pedestrian crossing signs as part of our RMSA Safety Grant. Pedestrian crossing signs are required at all mid-block crossings, and in-street signs are planned for crossings on Lakeshore Drive and Warren, the two streets we receive the most complaints about speeding and crossing safety.



WATER DEPARTMENT

Pump Station #4 has been running without incident since final repairs were made this winter. We are comfortable with its operation, and will begin alternating Pump Station #3 and #4 on a weekly basis. Alternating the two stations will more equally distribute wear and maintenance and life of pumps. We are also trying to reduce manganese build up, and alternating will dilute the higher manganese in Pump Station #4.

March		2021 WATER PRODUCTION							
	2018	2019	2020	2021		2018	2019	2020	2021
Jan	1,797,800	2,121,438	2,036,291	2,277,596	Jul	17,454,000	18,968,280	16,601,532	
Feb	1,552,000	2,056,813	1,946,743	2,057,440	Aug	14,152,900	16,600,547	16,750,284	
Mar	1,778,900	2,260,796	2,373,833	2,133,860	Sep	10,192,700	8,729,598	12,227,228	
Apr	2,963,400	4,503,629	6,608,729		Oct	6,663,600	4,690,568	5,526,800	
May	9,611,300	12,892,999	10,446,235		Nov	2,076,600	2,178,552	1,961,332	
Jun	13,457,700	16,082,186	13,249,332		Dec	1,867,529	1,918,369	1,943,276	
Year to Date Total Gallons	1,797,800	2,121,438	2,036,291	2,277,596		<i>Pump Station #3</i>		56,912	
						<i>Pump Station #4</i>		2,076,948	
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>								
3/3/2021	2 Samples			Coliform absent					
Chlorine Monitoring	<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>								
1/4-1/29/2021	<i>Month Median of 0.33</i>	Daily samples Mon-Fri		<i>Target Min Chlorine Levels is 0.20 at furthest point in system. Target levels 0.3 - 1.50 (4.0 State MCL)</i>					
Manganese Testing	<i>Historic Highs from old wells 0.2-0.7 & DOH MCL 0.05</i>								
	Date	Most Current	Average	High	Low	Median			
Pump Station #3	1-Oct	0.00018	0.00123	0.01207	0.00010	0.00017			
Pump Station #4	Apr-21	0.09247	0.06815	0.16220	0.00037	0.09247			

Water Improvement Project Update - Meter replacements are almost completed. Doug has been verifying each installation with our asset management program. Cecelia has been entering the new meter information in our billing system. We will have about 95% installed for this billing cycle.

Cross Connection Program – Cross connections are points of contamination risks to the city water system. I am meeting with Mike Pendergraft on our Cross Connection Program. The program is required by DOH, and we have been making incremental progress in implementation. Step one was addressing cross connections of the highest risks. All of the “Table 9” connections, highest risk connections, have been verified as having a cross connection device. The next step in the program is to survey every service and evaluate cross connection risks. Annual certification for each cross connection device is required by State Law.

SEWER DEPARTMENT

- The SCADA system remodel has been ordered and Control Freak is waiting on parts.
- Back-up Generators have completed annual inspections and bi-annual load test.
- Mike completed is annual performance testing for lab certification.
- This is the last year in a three-year cycle for CEUs, so David, Mike, and I are scrambling to catch up. COVID has disrupted our normal training cycles, and classes, although on zoom, have been either filled or cancelled.

City of Pateros Sewer Department							
Permitee: Pateros POTW	Permit #: WA002055		Operator: Mike Lambert				
2021 Wastewater Processed in Gallons							
	2019	2020	2021		2019	2020	2021
January	1,267,300	1,458,000	1,549,650	July	1,580,000	1,663,000	
February	1,136,000	1,342,700	1,444,200	August	1,415,100	1,494,200	
March	1,284,500	1,299,500	1,202,300	September	1,496,300	1,457,100	
April	1,741,500	1,239,700		October	1,611,290	1,419,900	
May	1,427,400	1,489,000		November	1,442,200	1,311,700	
June	1,448,900	1,488,700		December	1,433,100	1,227,900	
Year To Date Totals	2019	2020	2021				
Gallons Processed	3,687,800	4,100,200	4,196,150				
Wastewater Effluent Monitoring							
Total BOD 5-day	<i>Organic Loading Rates (Permit Range \geq 85%)</i>						
Weekly Test	4 - Tests	99% removal					
TSS	<i>Total Suspended Solids, non organics (Permit Range \geq 85%)</i>						
Weekly Test	4-tests	95% removal					
pH	<i>(Daily min/max permit range equal/between pH 6 and pH 9</i>						
Weekly minimum	Mon-Fri	7					
Weekly Maximum	Mon-Fri	7.5					
Fecal Coliform Bacteria	<i>(Permit Range Weekly \leq 100; Monthly \leq 200</i>						
Monthly geometric mean	4-tests	7.2					
Dissolved Oxygen	<i>Daily – Report Only</i>						
Daily Test	Mon-Fri	8.3 Maximum					
Temperature	<i>Daily – Report Only</i>						
Daily Test	Mon-Fri	13.0 Degrees C Average					
Ammonia	<i>Monthly – Report Only</i>						
3/3/2021	1 sample	0.23					

***January Notes:** Mike had some processing issues this month, but was able to work through them. All tests exceeded our NPDES Permit.*

PARKS & RECREATION

- ✿ Memorial Park and Riverview Pavilion have received the first mow of the season. Most of the irrigation systems have been turned on. Issues at the Right-of-way parks at Dawson and US-97 are preventing irrigation startups. The systems are very old and have failed, both requiring major repairs. Mike Pendergraft with Evergreen Rural Water is scheduled to assist Ryan in locating a leak which is filling the lines with sand and plugging the nozzles. The main water supply valve at Augusta and Warren has failed and will need to be excavated to repair.
- ✿ The crew has almost completed the replacement of garden hydrants at Ives Landing Park. Every hydrant was installed wrong and failed.
- ✿ Ives Landing dump station was vandalized. The lock was broken off and the garbage can was filled with raw sewage. The garbage can was removed, as unfortunately this is a fairly common occurrence. Because it is a sewer dump, people assume they can fill the trash can with all sorts of hazardous materials. The dump site was opened the first week of April. The water connection for the dump site is protected by an above ground backflow preventing device which is required to protect our water source. Because of the exposed pipes, water cannot be turned on too early in the spring due to potential freezing.
- ✿ Beaver guards have been placed around trees at Peninsula Park and the Tennis Courts.
- ✿ Restrooms were opened the first week of April. Kim has started back to work for the season. She works 4 hours a day maintaining restrooms, interpretive signs, kiosks and park amenities.
- ✿ Carlene and I met with representatives of the Lakeshore Inn and Douglas PUD to discuss the construction of a trail. The trail is in design phase at the PUD. The goal is to have a trail connecting Memorial Park and Ives Landing by this fall.
- ✿ The two small gazebos have been removed. The wood structures were badly deteriorated from years of weather and irrigation overspray. New gazebos are to be installed soon.



Two smaller gazebos have been removed. New structures are planned for installation in April/May. The old gazebos were originally installed with memorial funds for Mayor Francis Adams, who was Mayor during the Relocation Project of Pateros.