



# City of Stevenson

Leana Kinley, City Administrator

Phone (509)427-5970  
FAX (509) 427-8202

7121 E Loop Road, PO Box 371  
Stevenson, Washington 98648

To: Stevenson City Council  
From: Karl Russell, Public Works Director and Leana Kinley, City Administrator  
RE: Sewer Plant Update  
Meeting Date: January 14th, 2020

## **Executive Summary:**

This is an overview of items staff has been working on over the past month in line with the direction council gave to staff.

## **Overview of Items:**

**Plant Operations:** Day to day operations continue to go well. Settleable solids are at a desired level. The plant continues to see marked improvement with the side streaming efforts of Backwoods Brewing, Walking Man and LDB, Inc.

The average monthly Influent BOD load has been:

### 2018

- January 675 lbs/day – No Effluent Violations
- February 1,793 lbs/day – No Effluent Violations
- March 1,099 lbs/day – BOD and TSS Effluent Violations
- April 991 lbs/day – BOD and TSS Effluent Violations
- May 1,265 lbs/day – BOD and TSS Effluent Violations
- June 1,124 lbs/day – No Effluent Violations
- July 920 lbs/day – Low pH Violation (one day)
- August 1,113 lbs/day – No Effluent Violations
- September 1,439 lbs/day – Low pH Violation (one day)
- October 1,072 lbs/day – No Effluent Violations
- November 1,032 lbs/day – No Effluent Violations
- December 807 lbs/day – No Effluent Violations

### 2019

- January 776 lbs/day – Solids washout from clarifiers on 29<sup>th</sup> and 30<sup>th</sup>, TSS and BOD Effluent Violations
- February 749 lbs/day – Solids washout from clarifiers on the 18<sup>th</sup>.
- March 803 lbs/day – Solids washout from clarifiers on March 13<sup>th</sup>, TSS Effluent Violation
- April 589 lbs/day – Solids washout from clarifiers on April 1<sup>st</sup>
- May 1,067 lbs/day – No Effluent Violations
- June 897 lbs/day – No Effluent Violations
- July 785 lbs/day – No Effluent Violations
- August 833 lbs/day – No Effluent Violations
- September 720 lbs/day – No Effluent Violations

- October 810 lbs/day – No Effluent Violations
- November 620 lbs/day – No Effluent Violations
- December 588 lbs/day- No Effluent Violations

#### 2020

- January 417 lbs/day- No Effluent Violations
- February 270 lbs/day- No Influent/Effluent Violations, Inf Flow Total 7.532 Mil/Gal.
- March 324 Lbs/day No Influent/Effluent Violations, Inf Flow Total 4.223 Mil/Gal.
- April 389 lbs/day No Influent/Effluent Violations, Inf Flow Total 3.852 Mil/Gal.
- May 295 lbs/day No Influent/Effluent Violations, Inf Flow Total 3.315 Mil/Gal.
- June 502 lbs/day No Influent/Effluent Violations, Inf Flow Total 4.788 Mil/Gal.
- July 427 lbs/day No Influent/Effluent Violations, Inf Flow Total 4.048 Mil/Gal.
- August 458 lbs/day No Influent/Effluent Violations, Inf Flow Total 3.941 Mil/Gal.
- September 427 lbs/day No Influent/Effluent Violations, Inf Flow Total 3.786 Mil/Gal.
- October 353 lbs/day No Influent/Effluent Violations, Inf Flow Total 4.786 Mil/Gal.
- November 417 lbs/day No Influent/Effluent Violations, Inf Flow Total 8.018 Mil/Gal.
- December 363 lbs/day No Influent/Effluent Violations, Inf Flow Total 9.252 Mil/Gal.

The current permit limit for Influent is 612 lbs/day and the current upgrades in the adopted General Sewer Plan call for a design max monthly BOD loading of 1,611 lbs/day.

#### WWTP Design:

Final design of the WWTP was delivered to D.O.E. in June of this year and has been approved. 90% design for the Rock Creek Lift Station is complete and under review. Rock Creek Lift Station is slated to go out to bid in March 2021. Both the “Main D Extension” and “Cascade Interceptor” are at 90% design and under review.

#### Funding:

The City received a grant from the US Economic Development Administration (EDA) in the amount of \$4,054,400 for the Wastewater Collection System Capacity Upgrade Project (lift stations and a section of force sewer main). The total project amount is \$5,068,000 with the remaining 20% covered by a USDA loan in the amount of \$873,000 loan and \$70,600 grant. Staff is working on obtaining interim financing for the USDA loan to move forward.

Staff submitted an application for \$9.9M in construction funding through the Department of Ecology for the wastewater treatment plant and extension of the sewer line. We should know the results in January 2021 when they publish the draft funding offer list. **Still in progress**

#### Compliance:

The draft amendment to the Administrative Order is still in process. When it is finalized it will require additional testing.

Fourth quarter D.O.E. progress report for 2020 was completed.

#### Action Needed:

None