



# City of Stevenson

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To: Stevenson City Council  
From: Karl Russell, Public Works Director and Leana Kinley, City Administrator  
RE: Sewer Plant Update  
Meeting Date: April 16th, 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:** The plant has seen a change in bacteria life due to the lack of “food” coming into the plant. No adverse effects have been seen thus far by the change and we anticipate there will not be any. Influent flow for March totaled 4.223 million gallons. Influent flow for the month of February totaled 7.532 million gallons for comparison of when things were “normal”. Keep in mind February had more rainfall than March so I&I plays a role with the influent total. BOD is much lower than this time last year but is higher than the previous month. It will be interesting to see what April’s totals bring.

The plant continues to see marked improvement with the sidestreaming 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
- March 324 Lbs/day No Influent/Effluent Violations

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 will be delivered to D.O.E. in June of this year. D.O.E has 60 days to review and approve the design.

Funding:

Both applications for USDA and EDA for the lift station project are moving forward. Staff continues to answer questions as it moves through the process. The total project amount is \$5,068,000 and 80% would be covered by the grant and the remaining 20% will be covered by a USDA loan that the city is in the process of obtaining.

Compliance:

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

The contracts with Significant Industrial Users are still in process. They have been reviewed by Ecology and are awaiting confirmation from each SIU.

Action Needed:

None