



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: August 20th, 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 be fluent. We are seeing improvements in our settleability and reduction of filamentous bacteria. Procedures for controlling filamentous bacteria will continue until the desired results are achieved. Pot-holing for existing utilities in preparation for Phase 1 and 2 of the WWTP Upgrades was performed on 7/22.

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 29th and 30th, TSS and BOD Effluent Violations
- February 749 lbs/day – Solids washout from clarifiers on the 18th.
- March 803 lbs/day – Solids washout from clarifiers on March 13th, TSS Effluent Violation
- April 589 lbs/day – Solids washout from clarifiers on April 1st
- 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.

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 be delivered to D.O.E. in June of this year. D.O.E has 60 days to review and approve the design. 50% design for the Rock Creek Lift Station is complete and under review. Both the “Main D Extension” and “Cascade Interceptor” are at 50% design and under review.

Funding:

Both applications for USDA and EDA for the lift station project are moving forward. The EDA application is in for final approval. 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. The city received the obligation of funds confirmation from USDA in the amount of \$873,000 loan and \$70,600 grant.

Compliance:

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

The Significant Industrial Users discharge contract with Backwoods was executed last month. LDB Beverage is reviewing the contract.

BOD and TSS samples were taken at Backwoods on the week of 8/3-8/7. We are awaiting results. BOD and TSS Samples were taken at Walking Man on the week of 8/10-8/14. We are awaiting results.

Action Needed:

None