



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: Leana Kinley, City Administrator
RE: Sewer Plant Update
Meeting Date: August 22, 2019

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:

Hood River was unable to find enough land for application of biosolids and will have to dispose of our solids in the Wasco landfill. The cost is \$51.50 per ton to haul it the landfill, which includes the tipping fees. The cost to Stevenson was \$5,892.39.

PWD Hansen has been working with Significant Industrial Users (SIUs), Ecology and the City of Camas on sending side stream material to Camas for processing. After months of testing, discussions and tours, a pilot run of material has still not taken place. Dirt Huggers began taking the material and it has had a positive impact on the plant. A copy of the graphs showing the Influent BOD and TSS history and trends are attached.

Ian Lofberg has done a great job cleaning up the Wastewater Treatment Plant site!

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

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:

Staff recently discussed the draft WWTP site plan with Wallis Engineering and Esvelt Engineering. While there is room for improvements needed in the next 10 years, the site becomes challenging when looking at a 40-year plan. Upgrades that will take place in the next 10 years will allow for flexibility to provide the city with options to maximize the space, such as changing to a membrane system. These decisions will not need to be made for the next 8-10 years when planning for the construction of the third clarifier.

Funding:

The report for the CERB grant is in process, staff will incorporate the results on the feasibility of the sidestream material disposal.

The EDA application for improvements at the lift stations for increased capacity and flood protection at the wastewater treatment plant continues to go through the process. It has been reviewed by the Investment review Committee and is expected to progress. The current challenge is the funding source as we are ending the federal fiscal calendar and the funds are being reallocated through the EDA regions. 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.

Staff is responding to questions on the USDA application for the EDA match and obtaining the additional paperwork needed for the loan.

Compliance:

Staff has discussed a draft amended Administrative Order with Ecology. It will require additional testing and add time to the daily rounds impacting the budget.

Action Needed:

None.