



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: April 18, 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:

The City has had a solids washout in the clarifiers each of the four months in 2019 and are on track to receive TSS effluent violations as well for January, March and April. Everything has been done to optimize operations. The increased flow during the winter months combined with the poor settling of sludge leads to the solids not having time to settle out before they reach the clarifiers. This then causes the solids to washout and leave the plant. While the Industrial users are discharging less to the plant, their impact of the high concentration of BOD and TSS is greater due to the seasonally high flows. Due to the continued violations, Ecology will be asking LDB and Backwoods to submit an application for a discharge permit.

Staff has been cleaning-up the plant and will be ready for tours in the next few weeks.

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 – Solids washout from clarifiers on March 13th, TSS Effluent Violation
- April – Solids washout from clarifiers on April 1st

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.

Funding:

The final revision to the General Sewer Pan and Wastewater Facilities Plan update was submitted to Ecology. The report for the CERB grant is in process.

The contract with DOE for Design Phase funding has been executed and the first payment request has been processed.

The city applied in February for a \$4.935M EDA grant (20% city match) for improvements at the lift stations for increased capacity and flood protection at the wastewater treatment plant. The pre-application has been approved and the city is moving forward with a full construction application. Tetra Tech is contracted to complete the Preliminary Engineering Report and staff is working with MCEDD and other agencies to obtain letters of support for the project. Based on the feedback from other agencies that have applied for the same funds, the process will take some time.

Compliance:

Staff has not heard back on the request for an extension of the compliance schedule listed on the Administrative Order.

Interim guidelines for commercial connections have been developed and are being reviewed to assist with communicating what is and is not allowed during the moratorium.

Action Needed:

None.