



City of Stevenson

Leana Kinley, City Administrator

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To: Stevenson City Council
From: Leana Kinley, City Administrator
RE: Sewer Plant Update
Meeting Date: March 21, 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 conducted six days of split sampling using the churn sampler in January to evaluate the BOD reporting differences between four different labs. Staff has evaluated the results and will meet with Jacobs to discuss the differences.

A data logger has been installed in the headworks to record peak hourly flow. This will help in determining plant sizing for upgrades and may lead to a reduction of cost. There remain challenges in retrieving the data.

The new screens are installed and operating to help the city reach a class B biosolid and open up alternative methods of solids disposal, such as land application. A SOUR test will need to be done when complete and the results will determine if other improvements are needed.

Blower #2 has been repaired, which has been down since late 2017. Blower #1 was recently repaired and now both are operational.

The pH fluctuations are still occurring, but with less frequency. Operators have started adding lime to the oxidation ditch to correct the deficiencies and have been doing random inspections to determine the source of the pH variances.

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.

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 signed by the city and awaiting final DOE signatures. Reimbursement requests will be submitted as soon as it is activated.

The city received notification that we did not receive the EPA grant which would have evaluated the feasibility of creating a regional diversion effort of food waste and other nutrients from side-streaming. We were requesting \$20,000 for the effort.

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 will now move forward with a full construction application. 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.