



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: February 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 four days of split sampling using the churn sampler to evaluate the BOD reporting differences between four different labs.

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 have been challenges in retrieving the data. We are working with the manufacturer to evaluate our options.

The diffusers in the digester have been repaired.

The new screens are being installed 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.

The plant has seen pH fluctuations outside of the normal range. Operators have started adding lime to the oxidation ditch to correct the deficiencies and will begin random inspections to determine the source of the pH variances.

The average Influent BOD load for 2018 has been:

- Jan 675 lbs/day – No Effluent Violations
- Feb 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

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.

There was an excursion of BOD and TSS in January. A copy of the letter sent to DOE is attached.

Funding:

The CERB feasibility study is moving forward. The final revision to the General Sewer Pan and Wastewater Facilities Plan update is being completed and is in the council packet for approval.

Staff is still awaiting the final draft of the Department of Ecology contract for the design phase of the wastewater project.

The city received notification of an EPA grant supporting local infrastructure for Anaerobic Digestion and applied by the November 30th deadline. The project the city will apply for will be around resource recovery, will supplement the CERB study and can run concurrently with other portions of the project. We are still awaiting the status of our application.

In preparing a project proposal for a \$4M EDA grant (20% city match), it was discovered there is no easement or property control for the fairgrounds lift station. The county granted an easement for the property and the city will move forward with the application. Funds are still available as only one project has received funding so far.

Compliance:

As a result of the Jan. 19th council discussion, staff requested an extension of the compliance schedule listed on the Administrative Order. A copy of the request is included for council information.

Action Needed:

None.