



City of Stevenson

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To: Stevenson City Council
From: Leana Kinley, City Administrator
RE: Sewer Plant Update
Meeting Date: January 17, 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.

Grease trap inspections have been completed in all commercial kitchens.

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.

The diffusers in the digester have been repaired.

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

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 CERB feasibility study is moving forward. There was a special council meeting on January 10th and a Public Hearing on January 17th. The first progress report and reimbursement request has been submitted. The study will result in a final direction for the upgrades and an update to the wastewater facilities plan.

A draft contract is included in the packet for council review. The resolution will authorize the Mayor to sign the contract when it's finalized. The RFQ is being drafted and is expected to be published by next week.

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 will find out in early 2019 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. With the government shut-down there is no status update on the availability of the funds.

Communications:

Staff mailed a flyer on Tuesday to customers to discuss the current schedule and communicate the rate increases for 2019.

Action Needed:

None.