



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: September 19, 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:

Plant contract operator Jacobs has informed the city they will terminate their contract on Dec. 31, 2019 (letter attached). Staff will be working over the coming months to transfer data, line up agreements for biosolids and get additional staff and equipment necessary to operate the plant in order to take over on January 1, 2020.

The plant is performing well and we plan on taking a clarifier offline for inspection and maintenance due to the decrease in loads. This hasn't happened since at least 2017.

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 – No Effluent Violations
- August 833 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.

WWTP Design:

Progress continues to be made on the WWTP design. A draft remodeling of the current lab area to a certifiable lab space was presented and discussed. This may need to be fast-tracked due to the contract changes with Jacobs. Other aspects recently discussed include the Headworks and Blower Building concepts. Everything is on track for an October presentation to council.

Funding:

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

The city received a Notice of Further Consideration for the its EDA application for lift station improvements and flood protection at the wastewater treatment plant (letter attached). There is a list of Engineering, Environmental and Legal items they need information on by October 12 in order to move forward. 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, which includes a Cultural Resources survey.

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. One item they mentioned possibly adding is a Rate Study. With all the recent changes staff is recommending a rate study whether or not Ecology requires it. There are opportunities for a rate study to be done at no cost to the city through Rural Community Assistance Corporation (RCAC), funded through either USDA or DOE.

Action Needed:

None.