



# *City of Stevenson*

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To: Stevenson City Council  
From: Leana Kinley, City Administrator  
RE: Sewer Plant Update  
Meeting Date: July 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:**

Staff has been working towards getting the solids up to a Class B for land application. The digester needs to have some repairs completed and a Biosolids Plan will need to be done. The current estimated cost for the Biosolids plan is \$ 7,732. We are also waiting on cost estimates from Tribeca on land application and transportation costs.

Hood River is unable to find enough land for application of biosolids and will have to dispose of our solids in the Wasco landfill. The cost is \$51.50 per ton to haul it the landfill, which includes the tipping fees. They are still working on calculating out the total cost to Stevenson.

PWD Hansen has been working with Significant Industrial Users, Ecology and the City of Camas on sending side stream material to Camas for processing. After months of testing, discussions and tours, a pilot run of material will occur soon. This will reduce the influent BOD loading on the plant. Camas has other projects taking priority, causing a delay in the pilot. Staff is reaching out to Dirt Huggers to see about utilizing their services instead of or in addition to Camas.

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 29<sup>th</sup> and 30<sup>th</sup>, TSS and BOD Effluent Violations
- February 749 lbs/day – Solids washout from clarifiers on the 18<sup>th</sup>.
- March 803 lbs/day – Solids washout from clarifiers on March 13<sup>th</sup>, TSS Effluent Violation
- April 589 lbs/day – Solids washout from clarifiers on April 1<sup>st</sup>
- May 1,067 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:

A memo regarding interim measures for the treatment plant to prevent effluent violations has been approved by Ecology. Staff is moving forward on the High and Medium priority projects at an estimated cost of less than \$60k. Funding for the interim measures will be through the Public Works Board Construction Loan program. We will hear back in August on the status of the application and the schedule should not be impacted.

The survey of existing conditions at the treatment plant is being finalized and GRI is finalizing the Geotech report for the Montell Terrace neighborhood and the treatment plant.

A draft of the preliminary design is in process, which will include an implementation timeline and funding opportunities identified.

#### Funding:

The final revision to the General Sewer Pan and Wastewater Facilities Plan update was recently approved by Ecology. The report for the CERB grant is in process, staff is waiting for the results on the feasibility of the sidestream material disposal.

The full application for construction funding through the FY 2018 EDA Disaster Supplemental program for improvements at the lift stations for increased capacity and flood protection at the wastewater treatment plant has been submitted. 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. Based on feedback from other agencies, the process will take some time.

#### 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.

#### Action Needed:

None.