



# City of Stevenson

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To: Stevenson City Council  
From: Leana Kinley, City Administrator  
RE: Sewer Plant Update  
Meeting Date: June 20, 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. They will let us know what the cost is as soon as they know. Staff will analyze the costs to determine if it is less expensive to send more biosolids to Three Rivers than to pay the tipping fees through Hood River.

I&I inspection and repairs have been completed along Hot Springs Alameda, Chesser, Willard and Roosevelt.

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.

I attended a meeting hosted by the State of Oregon's Office of Regional Solutions regarding biosolids. Many wastewater facilities and septage haulers send their waste to Hood River and there is concern about their ongoing capacity. There will be a follow-up meeting with more participants after more information on current capacities and identification of bottlenecks occurs.

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>

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 submitted to Ecology for review and is attached. Staff will move forward on the High and Medium priority projects as an estimated cost of less than \$60k. Funding for the interim measures will be through the Public Works Board Emergency Loan program. An emergency declaration is on the agenda for council approval as part of the process.

The Project Plan and Communication Plan have been completed and the website has been updated with information related to the project.

Staff met with Wallis and GRI regarding slope stability and I&I in the Montell Terrace neighborhood. Consensus was that it will be more cost effective to treat the ground water at the plant than to address the I&I.

Borings have been done at the WWTP to determine subsurface conditions and piezometers have been installed to measure the fluctuation in ground water to determine if dewatering will be needed. Overall the ground appears in good condition for construction, absent a large boulder where the third clarifier is proposed to be constructed.

#### 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 executed and the first payment request has been processed.

The city submitted 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. 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 the feedback from other agencies that have applied for the same funds, 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.