



# City of Stevenson

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To: Stevenson City Council  
From: Carolyn Sourek, Public Works Director  
RE: Sewer Plant Update  
Meeting Date: March 16, 2023

## **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:**

The plant continues to operate within its permit limits for total suspended solids (TSS), biochemical oxygen demand (BOD), and bacteria for its effluent.

The WWTP Plant Upgrade project is nearing completion of the concrete pours of the anoxic basin. They are also working on forming and rebar for the new UV chamber. Due to material acquisition delays (specifically the automatic transfer switch and the mechanical control center for the fine bubbler diffusers) the substantial completion date for this project has been adjusted to August 28, 2024.

The City met with Department of Ecology (DOE) on Monday, March 6, 2023, to discuss how the WWTP Plant Upgrade schedule change may affect local economy if the current City moratorium on new sewer connections continues to remain in place. Both City staff and DOE representatives acknowledged potential economical impacts associated with retaining the moratorium as currently written. DOE shared some thoughts on how the City could mitigate risk associated with any proposed language change to the moratorium, in light of the change to the schedule. City staff will work with DOE and consultant technical experts, Wallis Engineering, to present to Counsel at the next meeting, any options available to reduce potential economic impacts to the City.

Only punchlist items remain for the contractor to complete the 2021 Collection System Improvements Project.

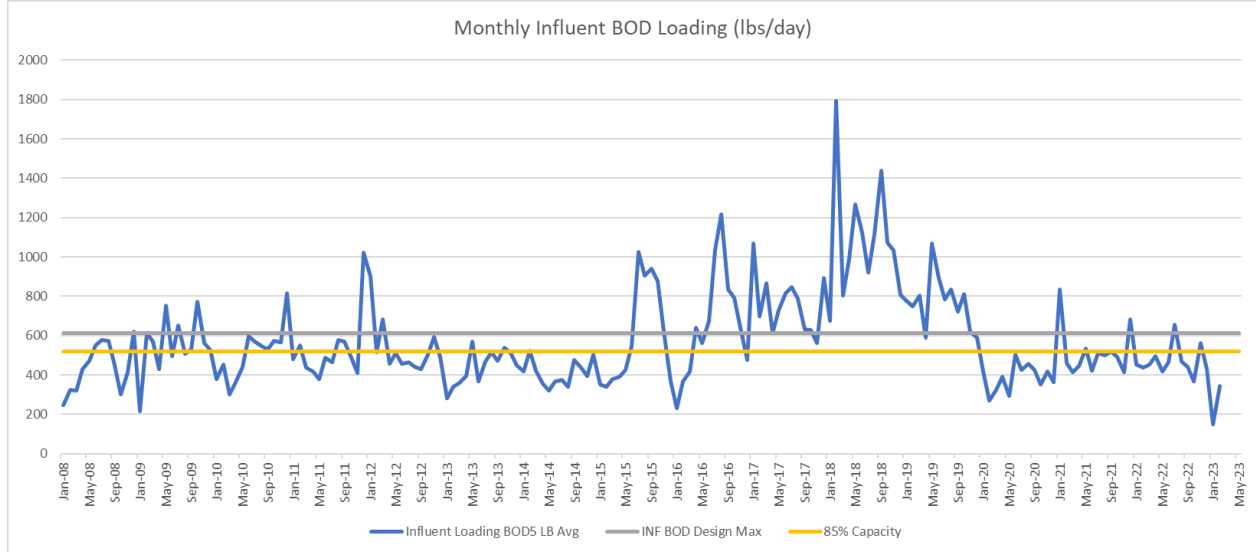
The City expects to receive 90% design plans for the Kanaka, Cascade, and Fairgrounds pump stations this week (if we haven't already). We anticipate this project being advertised in May for construction in 2023.

The sewer mainline under Cascade Ave was identified as being undersized in the General Sewer Plan. Consultant engineer, Greyling Engineers, has prepared a draft Preliminary Engineering Report (PERS) outlining known issues and propose costs for repair and replacement of sewer mainline, as well as deficient, adjacent water line, and street improvements (streetlights and stormwater collection). The initial project cost estimate is \$2M for all proposed improvements. The City is seeking funding for this project and hopes to construct in 2024.

We continue to wait for warmer weather and the return of the clarifier fish.

**Plant Operations:**

The average monthly Influent BOD load since 2008 is in the chart below.



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 \$2.5M in direct federal appropriations requested spring of 2021 is moving forward. The application has been submitted and we are waiting for EPA review and a contract. As soon as the process is completed, we can be reimbursed for the work. Due to the increased cost for the WWTP project, the \$2.5M in funds will allow us to hold off on requesting additional loan funds as long as possible.

	Budget	Loan	Forgivable Principal	Grant
WW Upgrades Design	2,000,000	960,000	400,000	
WW Collection System Upgrades	5,100,000	873,000		4,125,000
WW Treatment Plant Construction	12,100,000	8,700,000	900,000	2,500,000
Main D Extension	300,000	270,000	30,000	
<b>Totals:</b>	<b>19,500,000</b>	<b>10,803,000</b>	<b>1,330,000</b>	<b>6,625,000</b>
Amount of Funding:	41% Grant and Forgivable Principal			
Loan terms:	DOE Loan 1: 2.0% interest, 20-years, \$61k est. annual payment DOE Loan 2: 1.5% interest, 30-years, \$375k est. annual payment USDA Loan: 1.375% interest, 40-years, \$29k est. annual payment			

**Action Needed:**

None.