



# City of Stevenson

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To: Stevenson City Council  
From: Carolyn Sourek, Public Works Director  
RE: Sewer Plant Update  
Meeting Date: July 21, 2022

## **Executive Summary:**

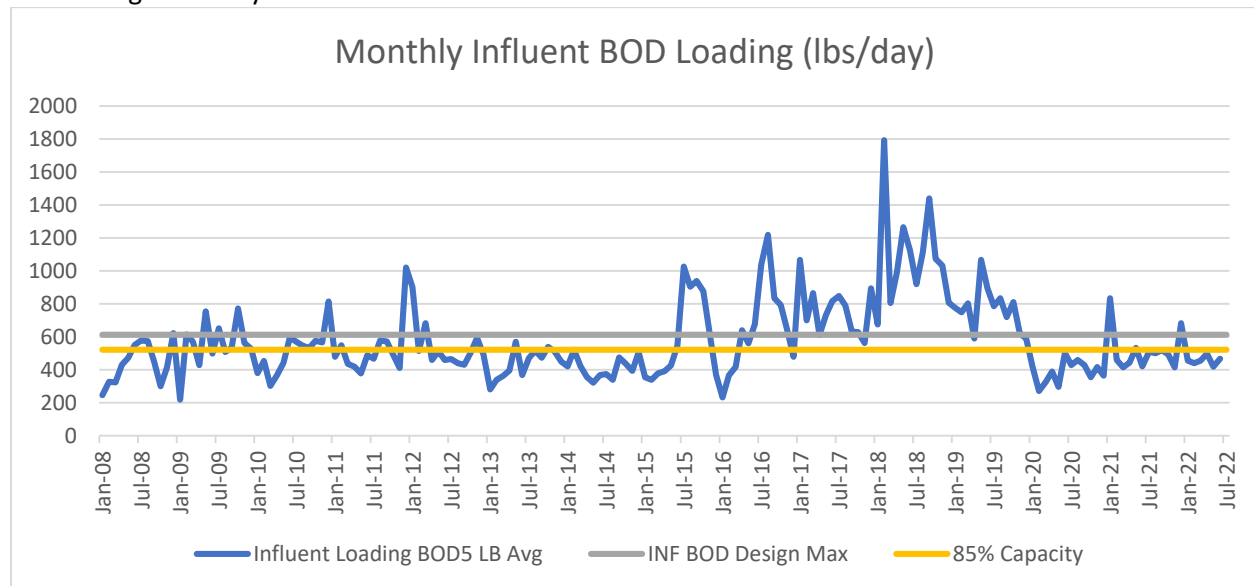
This is an overview of items staff has been working on over the past month in line with the direction council gave to staff.

## **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. Our operator continues to be challenged this month by dewatering flows from the Phase 1 Collection System improvements project being discharged to the plant (per the contract), which has affected our influent limits for TSS and rarely our effluent limits for Fecal Coliform. Extensive dewatering efforts required as part of the Rock Creek pump station excavation contributed significant suspended sediment and caused ineffective UV treatment. The contractor expects to complete excavation and construction requiring dewatering in the coming weeks. These challenges are actively communicated with Dept of Ecology.

## **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.

**WWTP Design:**

The Main D project received Substantial Completion June 15, 2022. Construction continues for the Phase 1 Collection System Improvements project.

The WWTP construction commenced this month, the Groundbreaking Ceremony took place on July 12, 2022, and was attended by members of City staff as well as representatives from Stellar J, Wallis Engineering, and the Skamania County Pioneer.

**Funding:**

The \$2.5M in direct federal appropriations requested last spring was approved in March. The latest information is the applications and final guidance will be out in the fall. The interim guidelines indicate it may not work to use for the current phase. I'll talk with the consultants on digester improvements, which is next in need of upgrades. The breakdown on all funding received for the project to date is below.

	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	12,400,000	8,700,000	900,000	2,500,000*
Main D Extension	300,000	270,000	30,000	
<b>Totals:</b>	<b>19,800,000</b>	<b>10,803,000</b>	<b>1,330,000</b>	<b>6,625,000</b>
Amount of Funding:				42% Grant and Forgivable Principal
Loan terms:	* \$2.5M direct federal grant to cover cost increase, or be applied to other WWTP phases			
	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.