



City of Stevenson

Phone (509)427-5970
FAX (509) 427-8202

7121 E Loop Road, PO Box 371
Stevenson, Washington 98648

To: Stevenson City Council
From: Carolyn Sourek, Public Works Director
RE: Sewer Plant Update
Meeting Date: May 19, 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:

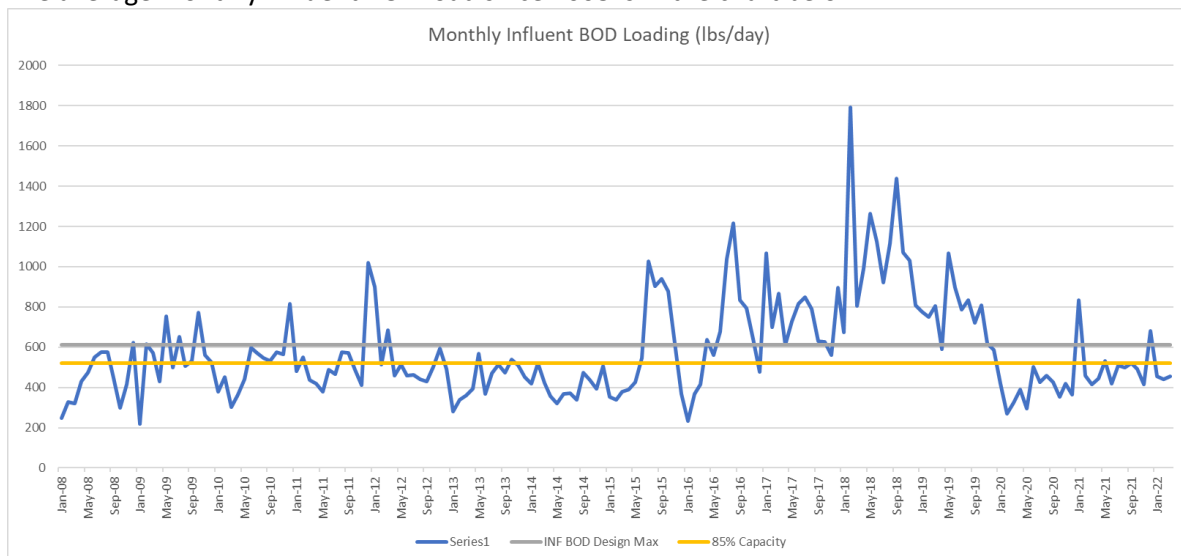
The plant continues to operate within its permit limits for total suspended solids (TSS), biochemical oxygen demand (BOD), and bacteria for its effluent. Our operator has been challenged this month by dewatering flows from the Phase 1 Collection System improvements project being discharged to the plant (per the contract), which has affected our influent limits for TSS.

Though it is additional work for our staff, other options were evaluated, and dewatering to the plant was determined to be the preferred. We continue to monitor the situation closely and will adjust if needed. Other options could be stopping work until decreased groundwater elevations (Fall 2022) or modifying the contract to include subconsultant dewatering and pretreatment services, additional permitting, and delays associated with this additional work. Ecology is aware of these challenges and has not expressed concern related to influent permit limits while dewatering efforts on this project continue.

Testing equipment in the lab was calibrated this month, which occurs annually.

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:

Construction continues for both the Main D Extension and the Phase 1 Collection System Improvements projects. More detailed updates can be found on the [City website](#).

Steller J was awarded the Wastewater Treatment Plant Upgrade construction contract on April 22nd and the Notice to Proceed (NTP) issued on May 13th. The preconstruction conference will be held on May 23rd, at which time we expect to review the contractor’s baseline schedule and have more information on coordination needs with partners and within the Department.

Funding:

The \$2.5M in direct federal appropriations requested last spring was approved last month. There is no update on when these funds can be used and the process. 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	9,600,000	8,700,000	900,000	2,500,000*
Main D Extension	300,000	270,000	30,000	
Totals:	17,000,000	10,803,000	1,330,000	6,625,000
Amount of Funding:	42% Grant and Forgivable Principal			
*\$2.5M direct federal grant applied for to reduce the \$8.7M loan, or be applied to other WWTP phases				
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.