



City of Stevenson

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To: Stevenson City Council
From: Carolyn Sourek, Public Works Director
RE: Sewer Plant Update
Meeting Date: June 15, 2023

Executive Summary:

This is an overview of items staff have 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. Clarifier 2 was drained for the season and the interior will receive maintenance this summer.

The WWTP Plant Upgrade project contractor, Stellar J, has completed the majority of larger basin pours and has begun backfilling. There remains a few repairs to be completed on the anoxic basin. The contractor has shifted their focus to the lab building renovations and running the labyrinth of conveyance lines within the WWTP site footprint. The revised Vactruck dump station will utilize a stand alone bin with bar screen that connects directly to the in plant pump station.

The 2021 Collection System Improvements Project is complete.

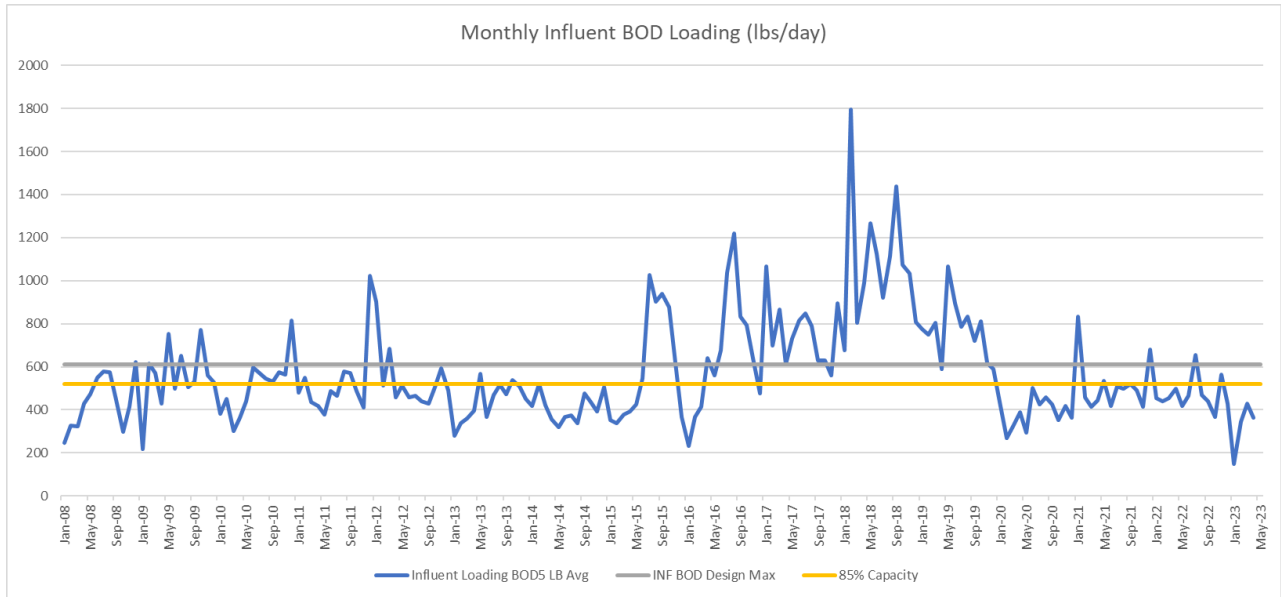
The bid plans for the Kanaka, Cascade, and Fairgrounds pump stations have been approved by the funding agency representatives. Advertisement is planned for the week of June 12th upon receipt of a key piece of documentation.

The City continues to seek funding for the Cascade Ave Utility Improvements project and hopes to construct in 2024.

The fish will need to be considered when Clarifier 1 is drained to facilitate tie in of new lines related to the plant upgrade project.

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	
Totals:	19,500,000	10,803,000	1,330,000	6,625,000
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.