



City of Stevenson

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To: Stevenson City Council
From: Carolyn Sourek, Public Works Director
RE: Sewer Plant Update
Meeting Date: February 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 has successfully completed multiple concrete pours of the basin floor and the contractor continues tying rebar and constructing forms for the associated walls. Challenges associated with acquisition of electrical materials have pushed the schedule into 2024. While not formally approved, we expect significant delays to the project beyond the contract fixed completion date. The construction management firm is evaluating the schedule and will provide comments to the contractor on its reasonableness.

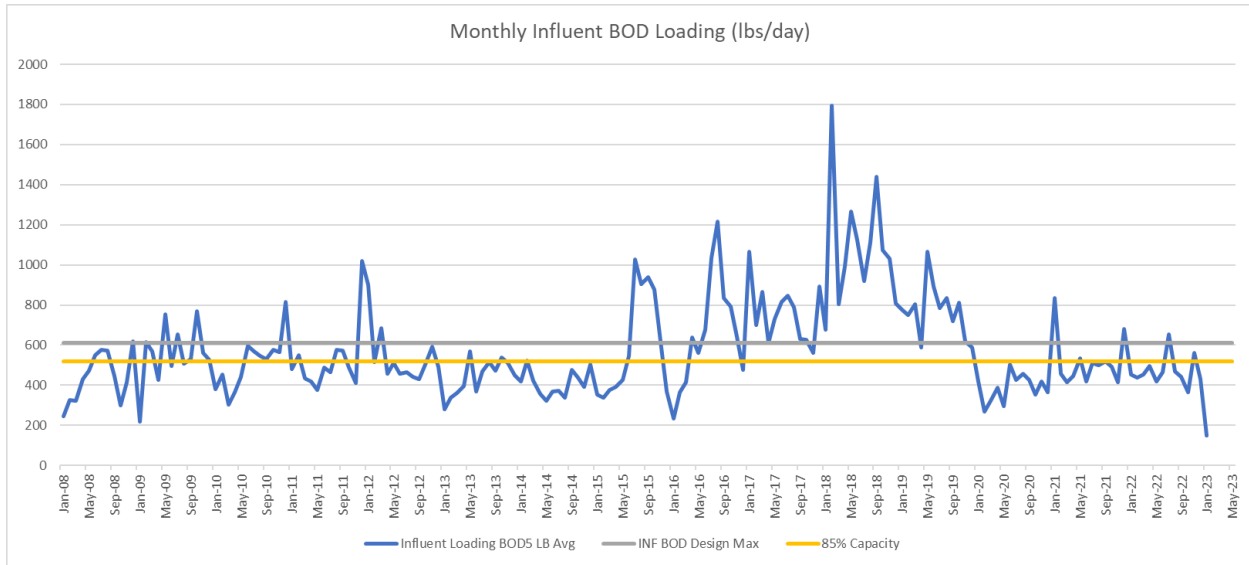
Only punchlist items remain for the contractor to complete the 2021 Collection System Improvements Project.

County and Port representatives have reviewed and provided comments on the 60% design on Kanaka, Cascade, and Fairgrounds pump stations. Consultant engineers and the City are working to resolve concerns from both parties prior to completion of the 90% design. We anticipate this project being advertised in the Spring.

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	
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.