



City of Stevenson

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To: Stevenson City Council
From: Carolyn Sourek, Public Works Director
RE: Sewer Plant Update
Meeting Date: October 12, 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.

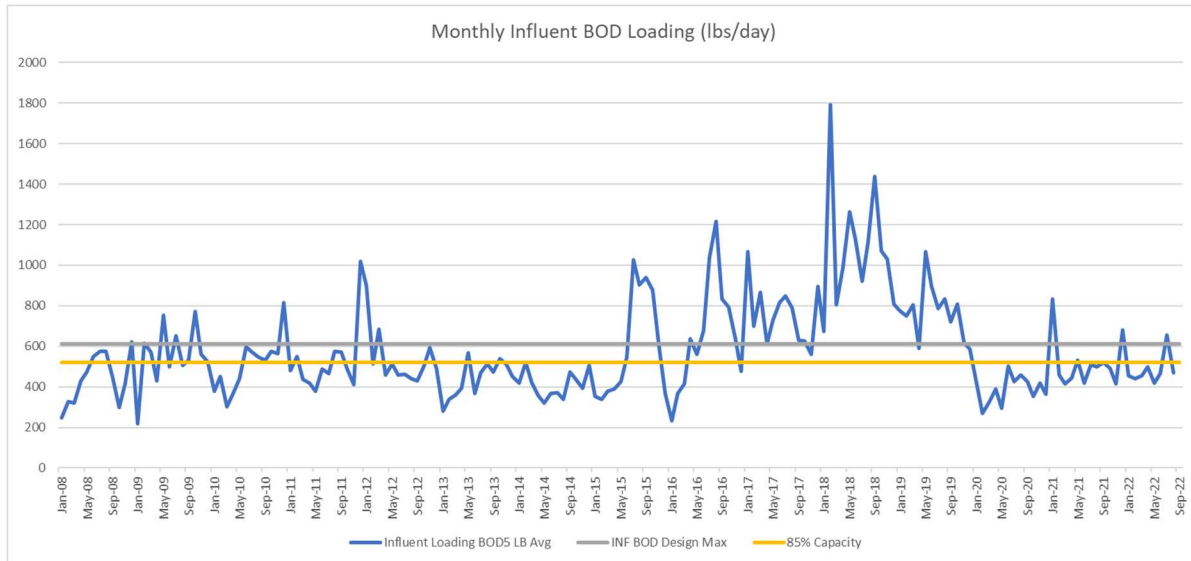
The WWTP Plant Upgrade project continues to progress. They have dewatered to the lowest elevation for the anoxic basin tank drain and work to construct system pipelines and the forms for the basin. The City continues to receive equipment previously contracted for this project. A secondary vendor was located for acquisition of fine bubble defusers. Delay to the delivery will not impact schedule. The City is awaiting a price for the contractor to install new drain pumps in the WWTP drain pump station and downstream check valves. The construction management firm is working with the contractor to develop a reasonable temporary power change order to bring us back into a reasonable schedule. The most recent schedule, assuming temporary power changes are accepted, is July 2023.

The 2021 Collection System Improvements Project undergoes paving this week and final striping next week. Final contract modifications are being negotiated.

Wallis Engineering is nearing completion of 60% design on Kanaka, Cascade, and Fairgrounds pump stations. The City had a preliminary coordination meeting with the Port representatives on Kanaka and Cascade pump stations. No major concerns were identified by the Port. The Kanaka pump station will remain in its current location.

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 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.