



TO: Council

FROM: Daniel Vincent and Ryan Jamieson, Sewage Treatment Plant Operator and Operator in Training

APPROVED BY: Marcia d'Eon, Director of Operations & Protective Services

DATE: June 11, 2025

SUBJECT: Sewage Treatment Plant Operators Quarterly Update

Septage panel replacement:

The septage receiving panel was received in April 2025. Upon installing the new septage panel, it was discovered that we were experiencing what was initially thought to be a blockage of the system. When removing the pipes it was evident that no blockage had occurred and that a failure had occurred with the valve and actuator that stops flow from entering the system.

We ordered and received a new valve/actuator which set back the timeline for the panel installation. The 2 pieces of equipment work together, therefore, installing one without the other would have potentially created more issues than it would resolve.

As of late May, we worked with the valve and panel suppliers, together with the electrician to set up and install/troubleshoot the system. We had been experiencing concerns with regards to the closure of the valve, however after troubleshooting we are now resuming focus on the setup and configuration of the panel software. IT is working on a solution to allow the new septage panel to utilize the sewage treatment plants internet connection for the purposes of tracking the flow of septage volumes.

The biggest part of this project turned out to be the unexpected valve/actuator replacement and setup, which has delayed other projects needed to be completed at the sewage plant.

Maintenance:

We ordered replacement bulbs and sleeves for the UV System and we will be installing them in the next few weeks and will be part of the training for the new Public Works Operator Trainee. The manufacturer recommends complete replacement of UV bulbs after 12,000 hours of runtime. (move to next reporting period) There is a broken aerator in the lagoon that needs repair; we will be working on this when time permits.

We purchased new analyzers for PH, Suspended Solids and D.O., this analyzer malfunctioned, we have received a new replacement unit, we will be working on installation and setup of the new probes/analyzers in the next reporting period.

In mid-March, the sewage plant road became unpassable due to the freeze/thaw cycle. It was so bad that the ruts were deeper than 1 foot and the sewage trucks were not able to access the site. The road has now been repaired which included widening, ditching and installation of some gravel.

Other than the valve/actuator and panel, the plant and the Hero Road/Venrez lift stations are working well with no concerns.

Wetlands Project

The RFP for the wetlands/polishing pond has been awarded to CBCL. CBCL is in the initial stages of the preliminary design, and we will be meeting with them in the next few weeks to review the design. The next step will be to post the tender package once the final design has been provided.