



CUMBERLAND Wastewater Upgrades Newsletter

A quarterly update on Cumberland's high performance lagoon upgrade

Welcome to the Village of Cumberland's Wastewater Upgrades Project newsletter. These newsletters will keep you informed progress on this important infrastructure upgrade. For more information and ongoing updates, check out the website at www.cumberland.ca/wastewaterupgrades



Crews cleared trees from the site in the spring to prepare for the construction of the Wastewater Upgrades Project

WASTEWATER PROJECT WORK TO GET UNDERWAY IN EARLY 2023

The Wastewater Upgrades Project team is set to get moving on construction in early 2023, moving forward a critical project for the Village of Cumberland's long-term sustainability.

The work to begin in the new year focuses on getting the Village to reach the treatment requirements set by the Province. It includes improvements to both the functionality of the lagoon system and the level of treatment. Recent Updates:



TREE CLEARING: In Spring, trees were removed from the property, following bird surveys and monitoring by the third-party environmental monitor.



DELAY IN START: While the project team had intended to begin work over the summer, the start has been moved to early 2023 as further consultation and approvals were considered.



FENCE INSTALLED: Fencing is being installed around the lagoon and treatment areas of the property. This will prevent people and animals from accessing the sewage lagoons and related infrastructure. The fencing will be completed by end of 2022.

The project is being led by Maple Reinders, who is working with subcontractors to complete the work. In early 2023, work will begin with site preparation and the preliminary civil works required. Tenders are expected to be out by end of the year.

The project team will continue to provide updates as work proceeds. Watch for additional updates, and review more information, at the project website:

www.cumberland.ca/wastewaterupgrades

A BETTER SYSTEM

Phase 1 of the Wastewater Upgrades Project - to be completed in 2023 - includes:



IMPROVED SCREENING



NEW FLOW PATH IN LAGOONS + EXTRA AERATION



ADDING NUTRIENTS FOR PHOSPHORUS REMOVAL



ENVIRONMENTALLY-FRIENDLY DISINFECTION



OPERATOR'S BUILDING, WORKSHOP



IMPROVED INSTRUMENTATION



SITE SECURITY





LOCAL HISTORY ON SITE

As the site was cleared to make room for the new treatment works at the Village wastewater lagoon site, team members spotted an unusual source of water in the property's southern side. After some further investigation of the area, it was found to be an old mine borehole shaft, connecting into some of the community's old mining infrastructure. It is estimated that the vent was 31 feet deep and about 5x6 feet wide. The shaft has now been backfilled based on recommendations from the geotechnical engineer.



WHAT ABOUT PHASE 2 AND THE WETLAND ENHANCEMENT?

The second phase of the Wastewater Upgrades Project includes components of the plan that are strive to meet the Village's aspirational goals of higher-than-required treatment levels, removing pharmaceuticals, wetland and habitat restoration and enhancement, and creating new recreational trails. They are the items that go 'above and beyond' what is required to ensure compliance.

The Village is currently pursuing additional grant funding, which will be required to complete this work. The goal is for Phase 2 to follow shortly after the first phase, with construction in 2023 and completing in 2024. Watch for more information about planning and timeline on this phase in the months to come.

UNDER CONSTRUCTION **UNDER CONSTRUCTION** **UNDER CONSTRUCTION** **UNDER CONSTRUCTION**

THE WASTEWATER TREATMENT SITE IS CLOSED TO THE PUBLIC DURING CONSTRUCTION

Fences have been installed to protect people, and to project equipment/materials The fencing will stay in place after to prevent access to the lagoons.

Please keep to marked trails on park land.

