

## Engineered mound begins to take shape

As a very productive construction season comes to a close for the Port Granby Project, most of the historic waste has now been moved from the legacy site on the shoreline of Lake Ontario to a new facility 700 metres to the north. With excavation of all the waste expected to be complete in 2019, preparations have begun for the construction of the cover system for the engineered aboveground mound where the waste is being safely stored.



**Waste transported from the Lake Ontario shoreline site to the engineered facility is compacted to help form the future drumlin shape of the aboveground mound.**

Canadian Nuclear Laboratories (CNL) is undertaking the Port Granby Project on behalf of Atomic Energy of Canada Limited, a federal Crown corporation, as part of the Port Hope Area Initiative (PHAI). CNL's contractor began excavating historic low-level radioactive waste at the legacy site two years ago. Soil sampling during excavation has determined that the site contains significantly more waste than originally anticipated.

"We are having to dig deeper than planned to remove all of the impacted soil," said Port Granby Project Manager, Mark Galanter. "However, the new facility was constructed with this possibility in

mind, and the stability and final drumlin shape of the mound will not be affected by the discovery of more waste.

As shown in the schedule below, restoration of the legacy site and construction of the new mound's cover system are expected to be complete by 2021. Following completion, long-term monitoring and maintenance of the facility will continue for hundreds of years.

## Port Granby Project construction and remediation schedule



The schedule for the Port Granby Project shows the work that will be undertaken to complete the project. Construction of the engineered aboveground mound baseliner began in October 2016 and remediation began in November of that year. The schedule was updated in spring 2018 to account for the

increase in total waste volume being excavated from the legacy waste management facility and periods of extreme weather experienced in the region.

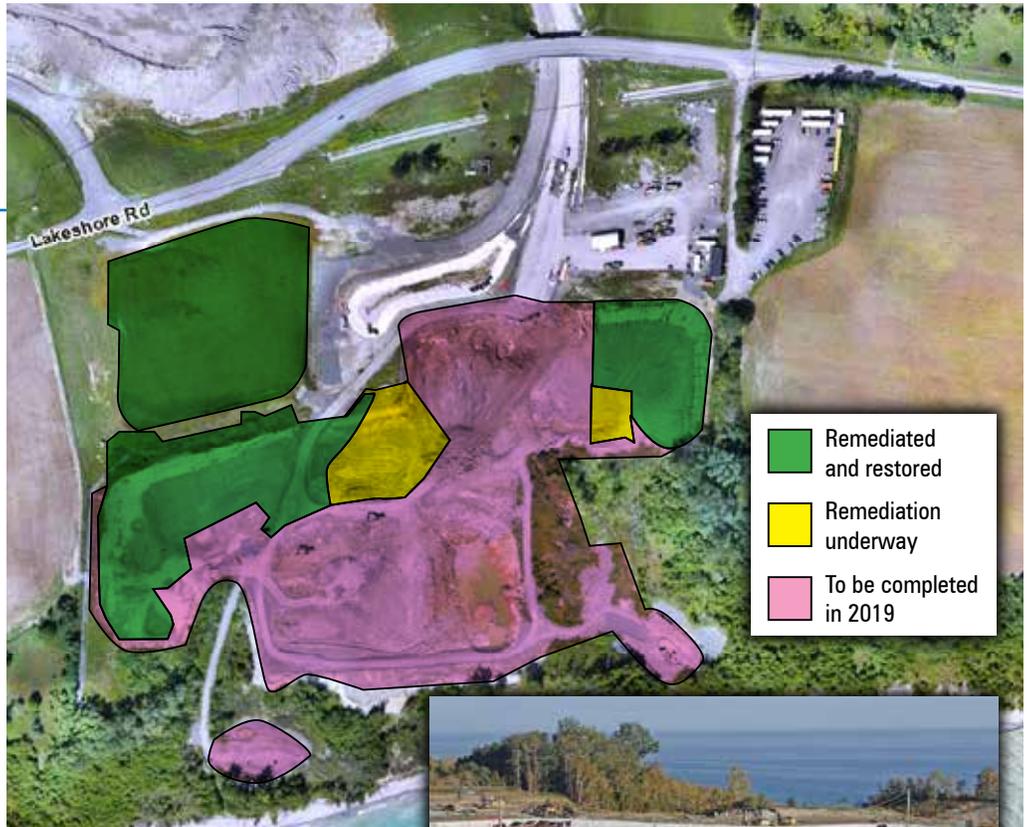


## Restoration of legacy waste site progresses

Significant progress was made in 2018 to restore the legacy site on the shoreline of Lake Ontario.

The historic waste deposited at the site by the former Crown corporation Eldorado Nuclear Limited includes a mix of chemical waste, industrial refuse and soil contaminated with low levels of radiation.

Since the start of excavation in fall 2016, many portions of the 17 hectare legacy site have been remediated and restored. Clean soil has been used to backfill the areas of the site that now meet the PHAI Clean-up Criteria, which establish the levels to which each contaminant found in soil will be cleaned up. Sampling results are provided to the Municipality of Clarington and Canadian Nuclear Safety Commission for review as part of the remediation process.



Remediation and restoration of the legacy site advances during busy construction season



# Holiday Hours



The Historic Waste Program Management Office at 115 Toronto Road, Port Hope will close at **noon on Monday, December 24** and **reopen at 8:30 a.m. on Wednesday, January 2, 2019.**

For urgent matters please call **905.885.0291.**

*We wish you a happy and safe holiday season.*