

PORT GRANBY PROJECT news

WINTER 2023



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Canadian Nuclear
Laboratories

Laboratoires Nucléaires
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Protecting the environment at the Port Granby site

The Port Granby Project is now in Phase 3, long-term monitoring and maintenance of the site. Canadian Nuclear Laboratories (CNL), as operator of the site, will continue to maintain the same high standards for safety and security at the Long-Term Waste Management Facility (LTWMF) now that the historic low-level radioactive waste is safely stored. In particular, CNL will continue environmental monitoring of air, groundwater and soil to determine any impacts.

The storage mound, which was capped and closed in 2021, will continue to divert clean water such as rain and snow from the top of the mound through a series of drainage pipes. Additionally, contaminated water from inside the mound will be pumped to the dedicated waste water treatment plant for processing before effluent meeting all discharge criteria is released to Lake Ontario.

Since closure of the mound, the focus turned to restoration with more than 20,000 trees planted at the north and south sites combined.



Equipment leaving the site

Site activity will continue to decrease over the next months, with fewer daily activities and reduced traffic to and from the facility. All daily tasks are expected to be complete within four months, after which residents can expect to see a significant reduction in activity.

In the coming years, while CNL inspects the mound to ensure that all systems continue to work as they should, there may be specific activities that require work at the site. CNL will continue to communicate directly with nearby residents to provide specific information about any related increase in traffic or personnel at the site during those times.

Then



2016 – Mound construction



2016 – Waste excavation at former waste management facility

Now



2021 – Restored site of former waste management facility



2021 – Completed LTWMF

The Port Granby Project involved the cleanup of historic waste from the shores of Lake Ontario that is now safely stored for the long term. While completing one of Canada's largest environmental remediation projects, CNL remains committed to providing responsible environmental stewardship of lands for future generations.



2022 – Tree planting on site

The project is being undertaken on behalf of Atomic Energy of Canada Limited, a federal Crown corporation.

Property Value Protection to 2024

The PHAI Property Value Protection (PVP) Program compensates eligible property owners for financial losses relating to a decrease in value on the sale, rental or mortgage renewal of their property as a result of the Port Hope Area Initiative (PHAI).

Recognizing that the PHAI could have the potential to create a temporary financial disadvantage to property owners trying to sell, lease or renew the mortgage on their properties while the projects were underway, the PVP is a key component of the 2001 Legal Agreement signed by the municipalities of Port Hope and Clarington and the Government of Canada to establish the PHAI.

The Legal Agreement states that the PVP Program will remain in place for two years

following the completion of the active phase of the Port Granby Project. As the project transitioned into Phase 3 at the end of 2022, the program will remain active until the end of 2024.

For more information on the PVP Program please visit PHAI.ca or contact our office at info@phai.ca or 905.885.0291.



Survey shows confidence in CNL remains high

A majority of residents – 71 per cent – living in close proximity to the Port Granby Project (PGP) site are confident that CNL can safely manage historic low-level radioactive waste at the long-term waste management facility. This is a significant increase from previous surveys (71 per cent vs. 44 per cent in 2014).

A recent public attitude survey undertaken by CNL revealed this and other findings when Clarington residents were asked about their awareness and concerns about the PGP. The survey has been conducted in the area since 2011 to gain insight into the views of the community and how effectively CNL is communicating with residents about project activities and progress. With the PGP now complete, this final survey provides key insights into attitudes toward the project and communications over time.

The survey also revealed that 73 per cent of respondents overall are satisfied with efforts to provide information about the PGP.

“These surveys have provided us with valuable information on the attitudes and concerns of the residents living close to the waste management facility and in the broader Clarington area”, said Bill Daly, Director, Public & Licensing Communications, “Though the project itself is now complete, CNL will continue to share information and updates with the Port Granby community. The information we gain through this survey will help inform our methods and approach.”

The independent survey, conducted in November 2022 by CCI Research Inc., was mailed to approximately 560 property owners in the Port Granby area with a total of 164 completed surveys returned.

An executive summary of the survey is posted at PHAI.ca, and copies of the full report are available on request.



PHAI 10-year licence renewed



CNSC Licence Hearing – November 2022

The licence renewal follows a one-day public hearing held in Cobourg, Ontario in November 2022, where the PHAI projects were reviewed for regulatory compliance.

“CNL operates with an unwavering commitment to safety and environmental protection, in compliance with all licensing requirements under strong oversight of the CNSC, while maintaining our commitment to engagement with Indigenous communities and organizations and the public,” said Kristan Schruder, Deputy Vice-President, CNL Environmental Remediation Management/Stewardship and Renewal Group.

The combined PHAI licence will ensure efficiencies and consistency across all PHAI sites and streamlined reporting for CNL projects, while maintaining high level of standards for safety. For more information visit PHAI.ca.

The Canadian Nuclear Safety Commission (CNSC) has renewed the licence for the Port Hope Area Initiative (PHAI) projects for 10 years. The licence, which took effect January 1, 2023, consolidates four previous licences into a single licence for PHAI activities. CNL is authorized to continue the safe cleanup and management of historic low-level radioactive waste in Port Hope and the ongoing maintenance of the Port Granby Long-Term Waste Management Facility.

Port Granby recognized as Project of the Year

The Port Granby Project was recognized as Project of the Year by the Ontario Society of Professional Engineers (OSPE) in November 2022.

This award pays tribute to an endeavour that has made a significant and positive impact on society and/or industry, with input from Ontario engineers. The Port Granby Project was selected for its leading-edge design and implementation.

“The completion of the Port Granby Project is the most significant PHAI milestone that we have achieved to date. The successful conclusion of this project is an example of



OSPE Awards L-R: Marc Chabot, WSP; Mark Hughey, Allan McMurray, CNL; David Wilson, Blair Greenly, AECOM; Rahul Swarnkar, David Cole, Brian Daniels, WSP

CNL’s capacity to provide a sound solution to long-standing environmental issues,” said Mark Hughey CNL General Manager for the PHAI.

Community Connection Continues

As a community-requested solution to a long-standing environmental problem, the PHAI has been supported with ongoing, timely and accurate communication about project activities.

Over the years, CNL implemented a number of outreach and engagement initiatives to maintain

connection with the Port Granby community and Indigenous communities and organizations, as well as members of the broader public. These activities were an opportunity to provide up-to-date, relevant project information to the communities as well as hear feedback on the projects.

In a recent update to Municipality of Clarington General Government Committee, CNL General Manager for the PHAI Mark Hughey stated, "Ongoing



Municipality of Clarington
Annual Update - 2023



Indigenous communities
consultation - 2011



Port Granby Discussion
Group - 2015

communication and engagement have been essential to the success of the Port Granby Project, and this adaptive and targeted approach will continue during the next phase of the project."

While the Port Granby Citizen Liaison Group (CLG) finished its mandate with the completion of the facility, CNL remains committed to ongoing dialogue and continues to identify ways to engage the community and the region during the monitoring phase.

Should any issues arise, residents in the near vicinity of the facility will be notified directly. CNL staff remains available, as always, to provide information and respond to any questions or concerns.



Métis Nation of Ontario
site tour 2020



Port Granby CLG tour - 2019



Doors Open Port Granby - 2018

CNL's Historic Waste Program Management Office and the Port Hope Area Initiative projects are situated on the traditional and treaty lands of the Mississauga Nations. We are grateful to have the opportunity to work on all of these lands and near traditionally and culturally significant waterways, which have been the home of Indigenous Peoples since time immemorial.



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