

Residents share their thoughts about the PHAI

Port Hope residents provided valuable insight into community perceptions about the Port Hope Area Initiative (PHAI) through the latest public attitude survey undertaken by CCI Research Inc. on behalf of Canadian Nuclear Laboratories (CNL). The survey results help CNL enhance its PHAI Public Information Program.

“Each time we conduct this survey we learn something new,” said Alex Mahabir, Director of Communications & Stakeholder Relations. “The results help us meet our primary communications goal to provide the project information that Port Hope residents have told us they find most useful.”

Topics of interest identified by respondents are highlighted in this newsletter – from protecting the environment today and well into the future, to managing project traffic and maintaining open communication with the public. It describes how those topics are being addressed as part of one



Protecting the environment is a PHAI priority

Safely placing waste at the Long-Term Waste Management Facility



of Canada’s largest environmental remediation projects.

“As a community-requested project, resident feedback has always been vital to the success of the PHAI,” said Mahabir. “We sincerely thank all of those who took the time to share their thoughts with us.”

This survey was conducted in November 2018 by CCI Research Inc., via telephone to both urban and rural ward residents of Port Hope. In response, almost 500 residents shared their opinions about the project to clean up and safely store historic low-level radioactive waste at the new Long-Term Waste Management Facility in Port Hope.

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

New in town? Ask us about the PHAI

If you're new to the area and recently learned about the environmental cleanup happening in Port Hope, CNL's communications team is available in person, by phone and by email to explain the history of the waste and what that means for residents. Results of CNL's latest public attitude survey revealed that newer Port Hope residents are often not as familiar with the history of low-level radioactive waste in the community as those who have lived here longer.

Through its PHAI Public Information Program, CNL also provides detailed information about all aspects of the community-requested cleanup and its benefits, as well as the temporary impact clean-up activities may have in parts of the municipality. In addition to highlighting the wealth of health studies that indicate Port Hope is just as safe as any other community in Southern Ontario, environmental specialists and health physicists are available to answer questions about PHAI radiological testing and clean-up work on properties.

Protecting your property value

Almost half (46 per cent) of public attitude survey respondents said they are aware of the PHAI Property Value Protection (PVP) Program.

The PVP is available to compensate eligible property owners within a designated zone for loss on sale, loss on rental income or mortgage renewal difficulties as a result of direct effects of PHAI project activities. Independent analysis of regional real estate market data for the past two decades indicates that the PHAI has had very little to no impact on the local market.

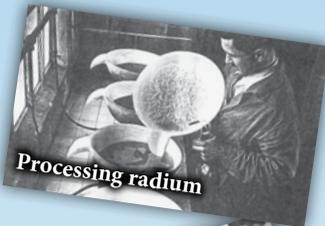
CNL continues to work closely with local, regional and Toronto-area real estate agents, sellers, potential purchasers and financial lenders to provide them with accurate, up-to-date information about clean-up plans for neighbourhoods and individual properties.

Visit PHAI.ca or contact CNL for information about the PVP Program.



How the waste got here

The historic low-level radioactive waste in Port Hope is primarily contaminated soil. The waste is a result of past practices related to the refining and processing of radium and uranium by Eldorado Nuclear Limited, a former federal Crown corporation, and its private-sector predecessors. Eldorado operated a refinery in Port Hope from the 1930s to the 1980s.

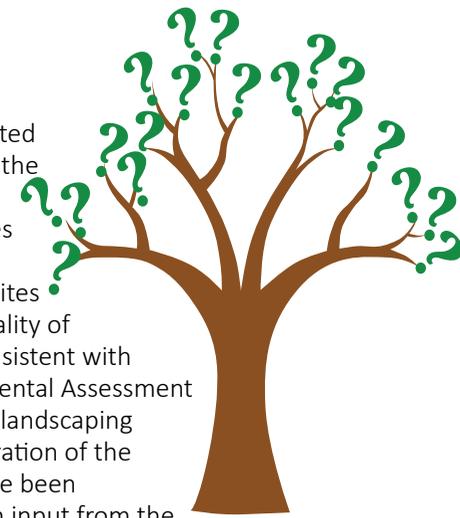


Leaving trees where possible

The mandate of the PHAI is to safely remove historic low-level radioactive waste from public and private properties, while minimizing community effects such as the removal of trees to clean up waste under them. About 21 per cent of survey respondents cited loss of trees as their top environmental concern about the project.

CNL consults with qualified arborists to consider methods of remediation around trees. We also work closely with property owners to determine the feasibility of leaving trees in place – especially those identified by the owner as having significance – while cleaning up the property. Any tree removed will be replaced by CNL.

CNL has inspected and confirmed the species and number of trees on each of the major project sites in the Municipality of Port Hope. Consistent with PHAI Environmental Assessment commitments, landscaping plans for restoration of the major sites have been developed with input from the local conservation authority and the municipality.



Transparency maintained through communication and collaboration

CNL has established several channels of communication with Municipality of Port Hope council, staff and residents to share PHAI plans and progress. Transparency about the PHAI was identified as a topic of interest by 14 per cent of public attitude survey respondents.

CNL gives quarterly updates at Committee of the Whole meetings to keep municipal councillors, the public and the media informed of project progress and upcoming work. Municipal staff regularly review project plans and execution of work to ensure standards for quality and public safety are continually met. The Agreement Monitoring Group brings together representatives of the Municipality, Atomic Energy of Canada Limited – the federal Crown corporation on behalf of which CNL is implementing the PHAI – and CNL to review and confirm that commitments in the legal agreement governing the project are being met.



Current project information is also available electronically through the PHAI.ca website and social media channels. Members of the public are always encouraged to connect directly with CNL – in person, by phone or by email – if they have any questions and/or concerns about the project.

2019 Construction Season

Property cleanups

Cleanup and restoration work will continue at **residential and business properties** through spring and summer 2019. CNL contractors are easy to identify by their ID badges and the signage at each site.



Hydro-excavation



Excavating waste

Properties that have small, shallow pockets of isolated waste may be selected for cleanup by hydro-excavation. These cleanups generally take only a few days to complete.

Radiological testing nearing completion

CNL has begun the final phase of the Property Radiological Survey. To date, approximately 3,200 properties in Port Hope have been tested for the presence or absence of historic low-level radioactive waste. Those properties requiring a cleanup move into the remediation and restoration design phase on a neighbourhood-by-neighbourhood basis.

CNL will continue to survey public and private properties in Port Hope through 2019. It's not too late to participate!

If you have not been called to schedule an appointment for testing on your property, please contact us at 905.885.0291 or info@phai.ca.



Soil sampling

Waterfront sites

Clean-up work will continue at the site of the **former municipal waterworks property at the West Beach** this spring.

Older buildings on site have been demolished. Where possible, uncontaminated debris from buildings is recycled locally. Contaminated material is transported to the PHAI Long-Term Waste Management Facility in Port Hope.

Work continues at the **CN/CP Viaducts** and **95 Mill Street South** sites to prepare for clean-up activities.



Mill St. demolition



West Beach remediation



Dust control during demolition



Harbour wave attenuator

Port Hope Harbour Work

Work beginning this season will include the installation of the second wave attenuator in the outer harbour and the rehabilitation of harbour walls. Dredging is scheduled to begin in October, with the full cleanup of the harbour expected to take about five years.

Centre Pier

The pier will be prepared for use as a staging area during dredging of the harbour.



Waste removal at Centre Pier in 2018

As one of Canada's largest environmental remediation projects, the PHAI is a community-requested solution to a longstanding environmental issue. A cleaner environment was identified as the most important project benefit by 56 per cent of public attitude survey respondents. The CNL team takes pride in the PHAI work and shares the community's vision for a cleaner future.

Staying safe while sharing the road

The safe transportation of historic waste is a priority during the clean-up phase of the PHAI. Traffic safety is also top-of-mind for some residents of Port Hope, with 24 per cent of public attitude survey respondents identifying the potential for traffic accidents and how the waste is transported among their primary concerns about the project.

While traffic safety is critical to project success, and stringent measures are in place to ensure PHAI trucks are covered and monitored at all times, it is important to note that a person can receive a higher radiation dose through dental X-rays or air travel than standing next to a PHAI truck carrying historic low-level radioactive waste.

With project traffic, as with all aspects of the PHAI, CNL is committed to protecting people and minimizing disruptions to the community.



Stringent vehicle inspection

Our truck drivers take additional traffic safety training, and our contractors must ensure that all heavy construction and delivery vehicles are maintained in good repair. The designated project transportation routes were chosen through extensive public consultation to minimize PHAI traffic impacts on the community. The routes ensure that, wherever possible, trucks carrying waste avoid areas such as the downtown heritage district and residential neighbourhoods.

CNL's safety-first culture is part of everything we do. We work closely with local first responders to ensure that CNL, its contractors and emergency services are well-prepared to deliver a quick, effective response to an unanticipated event. In addition, PHAI emergency plans are fully aligned with those of the Municipality of Port Hope and regulatory agencies.



Safely transporting waste

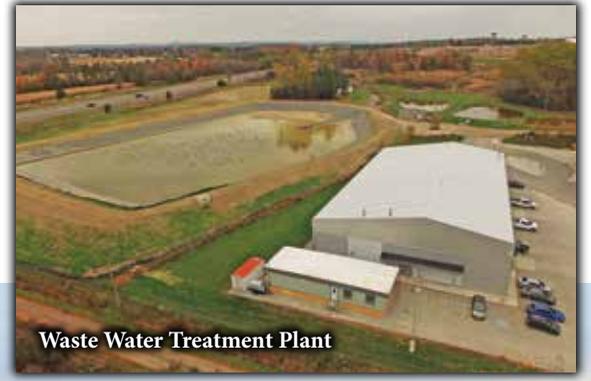
Safely managing historic waste for the long term

During the community consultation phase for the PHAI, the long-term safety of the proposed waste management facility was a topic of extensive discussion. Safely managing the waste remains an area of public interest, with about 20 per cent of respondents to the 2018 public attitude survey indicating some concern about unknown future impacts and long-term containment of the waste.

To ensure safe storage of the waste for years to come, CNL is constructing an engineered aboveground mound at the Port Hope Long-Term Waste Management Facility located just south of Highway 401 and west of Baulch Road. The mound has been designed to isolate the contents from the environment by securely encasing the waste on the top, bottom and sides. As each cell of the mound is constructed, monitoring systems are installed, including sensors in the cover and baseliner systems to confirm that the layers are

operating as intended. Water collected from the mound is treated by the onsite Waste Water Treatment Plant. Groundwater quality will continue to be monitored through ongoing sampling and testing of specially designed wells surrounding the base of the mound.

After work related to the PHAI has been completed, the facility will remain under a Canadian Nuclear Safety Commission license for many years to come and will continue to be operated and maintained by qualified staff.



Waste Water Treatment Plant



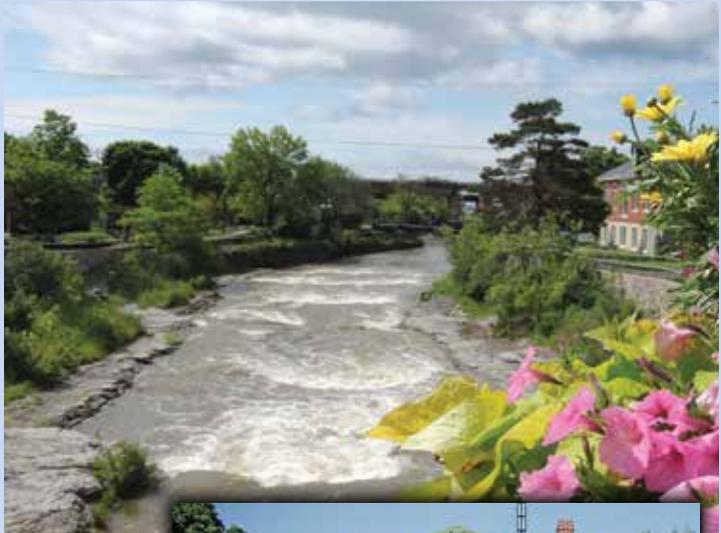
Port Hope Long-Term Waste Management Facility

Buying or selling in Port Hope?

CNL can help you get the information you need.

Contact us to request:

- A Radiological Status Letter summarizing any radiological information on file for a property
- In-person meeting with CNL technical specialists to discuss the radiological results available for a property
- Information about the Construction Monitoring Program to ensure the safe management of historic low-level radioactive waste encountered during renovation or construction projects



Radiological results for municipal properties available

Radiological survey results for municipally owned properties, including roads and parks, are available on request from CNL once the Municipality of Port Hope has received and reviewed the final report

for the property. To find out if results are available to request for a specific municipal property, contact us or visit our Port Hope office at 115 Toronto Road.



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