

Site preparation to begin at long-term waste management facility

Excavation to prepare for construction of the Port Hope Project engineered aboveground storage mound will take place this fall at the site of the long-term, low-level radioactive waste management facility.

The work involves removing and stockpiling contaminated soil on site to develop a clean zone where construction of the first cell of the aboveground mound will begin next year. The zone will also accommodate site support buildings and provide clean access for workers and construction vehicles.

“We have all been looking forward to moving the first shovelfuls of dirt, and now we are there,” said Craig Hebert, Port Hope Area Initiative (PHAI) General Manager. “The significance of this work is that it clears the way to build Cell 1, allowing the cleanup to begin.”



Aerial view of the long-term waste management site in Port Hope

“The significance of this work is that it clears the way to build Cell 1, allowing the cleanup to begin.”

- Craig Hebert, PHAI General Manager

to ensure the work is safe and meets all of the requirements of the project’s Canadian Nuclear Safety Commission licence.

The work will be undertaken by ECC/Quantum Murray, Toronto, and is expected to be completed in January 2016. The facility is located south of Highway 401 and west of Baulch Road.

With the Port Hope Project waste water treatment plant now built and the start of Cell 1 construction planned for next summer, the cleanup of historic low-level radioactive waste at sites throughout the community is scheduled to begin in 2018.

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Excavating soil at the facility site requires the PHAI Management Office to implement a wide range of radiation protection, dust management and compliance protocols

Radiological field testing gets underway at next 800 properties

Fieldwork begins this fall to test more than 800 properties as part of Campaign 2 of the Port Hope Project Property Radiological Survey.

ARCADIS, under contract with the PHAI, began scheduling appointments with property owners in September. The current fieldwork involves interior and exterior gamma radiation scans and borehole drilling/soil sampling. Radon monitoring, the first test in the survey program, has been completed at these properties.

Together, the four investigations provide a full radiological story for each property. From these results, the PHAI can determine which properties require cleanup for historic low-level radioactive waste and which do not.

Campaign Update

To date, more than 2,500 properties are involved in the Property Radiological Survey, which will test all 4,800 properties in Ward 1 (urban) Port Hope and a few in rural Ward 2. The testing is divided into five campaigns:

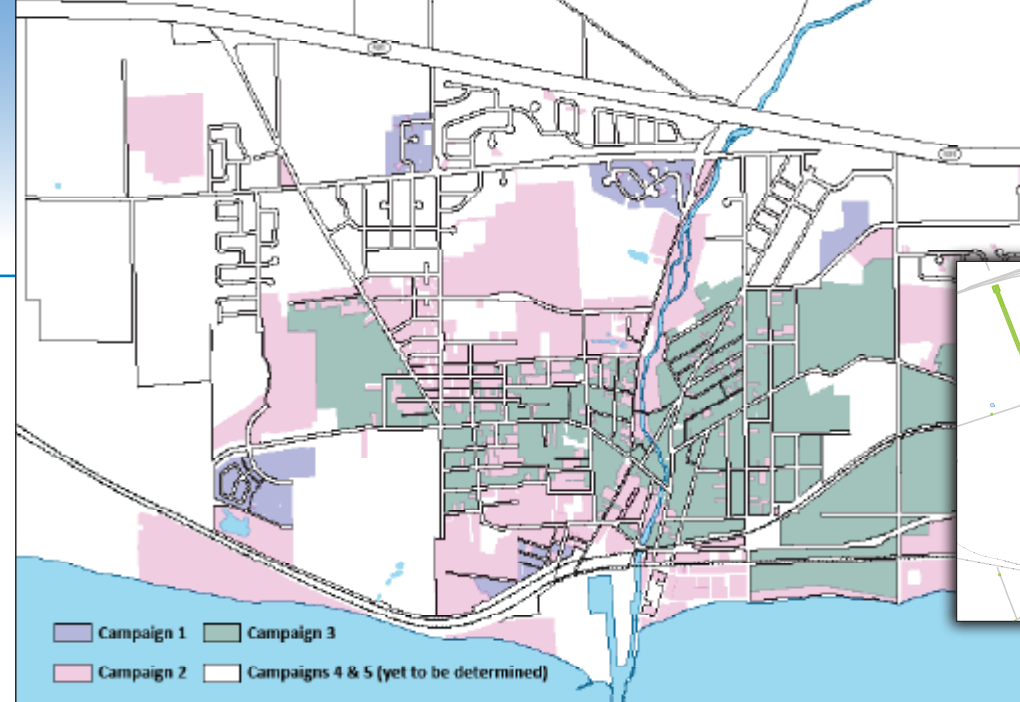
- Campaign 1: All investigations complete – 430 properties
- Campaign 2: Underway – 800 properties
- Campaign 3: Radon monitoring complete – 1,300 properties
- Campaigns 4 and 5: Schedule being developed

Over 90 per cent of properties in Port Hope are expected to meet the PHAI Clean-up Criteria and will not require a cleanup. These property owners will receive a Compliance Letter stating that no

further investigations will be required. Properties where historic low-level radioactive waste is identified will be cleaned up – once the long-term waste management facility is ready to receive waste in 2018 – and these owners will receive a Compliance Letter when that work is done.

As a personal security measure, each property has been issued a Site Identification Number that will be used during all communications between the property owner and the survey teams. Survey staff will also wear clothing that identifies them as a PHAI contractor.

Results from the current fieldwork will be provided to property owners when all of the testing is completed, analyzed and reports are finalized, which will take 12 to 18 months.



Coming to the PHAI website!
See what's involved in the testing;
video clips of each radiological
investigation will soon be available
at www.phai.ca.



Port Hope Project road allowance investigations

Road allowance investigations next step in Property Radiological Survey

Radiological investigations of approximately 175 Port Hope road allowances and laneways will begin in October as part of the Port Hope Project Property Radiological Survey. No road closings are anticipated, and the work is expected to take approximately eight months to complete.

The fieldwork, conducted by Amec Foster Wheeler, involves gamma radiological scans on roadway surfaces. It will also include conventional land surveys to establish road boundaries and mark features, such as sidewalks, fences, manholes and hydro poles, on site drawings. Some utility locations – telephone, cable, gas, hydro, sewer and water – will be identified with water soluble paint or flags for up to 30 days prior to the work beginning.

An earlier gamma radiological survey was carried out on Port Hope road allowances in 2001 to

identify potential locations of historic low-level radioactive waste, particularly along haul routes used by former Eldorado Nuclear trucks to transport contaminated soil to the Welcome Waste Management Facility. That survey identified approximately 175 road allowances and rights-of-way requiring further investigation, which is the subject of the current work. The results will be used to determine which road allowances require follow-up borehole drilling/soil sampling for low-level radioactive waste, expected to take place in 2017.

The PHAI has sent notices to all residents and businesses located near the road allowances being tested.



Become part of the Citizen Liaison Group

Applications now being accepted

Recruitment is now underway to fill openings for the 2016 term of the Port Hope Project Citizen Liaison Group (CLG).

The CLG meets at least four times a year and provides a forum for its volunteer members and PHAI Management Office staff to exchange information and ideas about the cleanup and safe, long-term management of the historic low-level radioactive waste in the Municipality of Port Hope.

The group is composed of up to 14 members reflecting a cross-section of the community by representing areas such as the environment, business, education, health and community life.

CLG members have the opportunity to gain an in-depth understanding of the project and share their perspectives with the PHAI project team. They participate in project activities such as tours of project sites and join PHAI staff at community events.

“CLG members not only develop a deeper understanding of the Port Hope Project, they also contribute in real and valuable ways,” said Peter MacLeod, the CLG’s independent facilitator. “As the project moves ahead, the work of the CLG will become even more important.”

Applications for the 2016 CLG will be accepted until December 18.

Visit www.phai.ca or call 905.885.0291 for more information.

Final step in AECL restructuring complete

The final stage in the restructuring of Atomic Energy of Canada Limited (AECL) was completed in September when AECL entered into a long-term contract with Canadian National Energy Alliance (CNEA) for the management and operation of Canadian Nuclear Laboratories (CNL). The PHAI Management Office is part of CNL.

This past June, the Government of Canada announced the selection of CNEA as the preferred bidder to manage and operate CNL under a Government-owned, Contractor-operated (GoCo) model. CNL, as a private-sector company, remains responsible for the day-to-day operations of its facilities and offices across Canada, which include Canada’s largest nuclear science and technology complex at



Canadian Nuclear
Laboratories

Laboratoires Nucléaires
Canadiens

Chalk River, Ont., and the PHAI Management Office and Low-Level Radioactive Waste Management Office in Port Hope.

All of CNL’s current commitments to nuclear safety and strong community relationships remain unchanged. Similarly, the PHAI will continue to meet all existing obligations and commitments for the Port Hope and Port Granby projects in accordance with its Canadian Nuclear Safety Commission licences, Environmental Assessments and municipal Legal Agreement.

Making it easy to learn about PHAI business opportunities

Interested in learning about business and contracting opportunities with the PHAI? You can drop in to the PHAI Management Office at 115 Toronto Road, Port Hope, any Thursday from 1:00 to 3:00 p.m. to speak with our procurement staff. No appointment is needed. Our staff will explain the procurement process and highlight the additional resources available to businesses, which include:

- **The Port Hope Contractor Portal:** The Port Hope & District Chamber of Commerce, in partnership with the Municipality of Port Hope and the Clarington Board of Trade and Office of Economic Development, has developed the portal (www.porthopecontractorportal.com) as a platform for businesses to network with one another and connect with the PHAI's prime contractors.

AMEC-CB&I Joint Venture – the major contractor for the Port Granby Project – is



Screen capture of PHAI website

currently looking for subcontractors and suppliers to provide a wide range of services from engineering, land surveying and excavation to equipment rentals, security and fuel.

- **PHAI Careers and Contract Opportunities:** The PHAI posts job and contract opportunities on www.phai.ca.
- **CNL Website:** Anyone interested in becoming a PHAI supplier should complete the Vendor pre-qualification questionnaire at www.cnl.ca/en/home/work/supply-chain/vendors.aspx

For more information, contact the PHAI Management Office at 905.885.0291 or info@phai.ca.

Testing at new waste water treatment plant underway



Testing of equipment and processes is now underway at the newly completed Port Hope Project waste water treatment plant.

The state-of-the-art plant will be used during the cleanup and long-term monitoring phases of the project and will greatly improve the quality of treated water being discharged

to Lake Ontario. The existing Welcome Waste Management Facility waste water treatment plant will continue to operate until the new plant is fully commissioned. This changeover is expected to occur in mid-2016.

The plant is located at the site of the Port Hope Project long-term waste management facility, south of Highway 401 and west of Baulch Road.

Port Granby environmental project moves ahead

Work gets underway this fall at the site of the Port Granby Project long-term waste management facility to prepare for construction of the engineered aboveground storage mound and remediation of the existing waste management facility next year.

In July, the Government of Canada announced the award of an \$86.8 million contract to AMEC-CB&I Joint Venture to undertake the Port Granby Project in southeast Clarington. AMEC-CB&I Joint Venture is a Canadian partnership that brings together firms experienced in low-level radiological waste remediation, construction and engineering. The award of the Port Granby Project marks a milestone for the Port Hope Area Initiative (PHAI) as the first of the PHAI's two projects to begin waste remediation and restoration.

The contract includes excavation and transfer of approximately 450,000 cubic metres of historic low-level radioactive waste from



Site preparation of the Port Granby Project is set to get underway

the existing Port Granby waste site on the shoreline of Lake Ontario to a long-term waste management facility (LTWMF) being built about 700 m north of the lake.

The PHAI addresses a long-standing environmental problem resulting from the past practices of Eldorado Nuclear, a former Crown Corporation, and its private-sector predecessors. Waste from Eldorado's Port Hope uranium refining operation was deposited at sites in Port Hope and in the Southeast Clarington community of Port Granby between the 1930s and 1988.

Upcoming PHAI Events

Port Granby Project

Public Information Session

Wednesday, October 7 – 3:00-8:00 p.m.
Newcastle Town Hall

Port Hope Project

Public Information Session

Wednesday, November 4
Port Hope High School
Check www.phai.ca for details

Port Hope Area Initiative Project Information Exchange

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