



Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire

CMD 20-M22.9

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**Presentation from the
Canadian Nuclear Laboratories**

**Mémoire des Laboratoires
Nucléaires Canadiens**

**Regulatory Oversight Report for
Canadian Nuclear Laboratories
Sites: 2019**

**Rapport de surveillance
réglementaire des sites des
Laboratoires Nucléaires
Canadiens : 2019**

Commission Meeting

Réunion de la Commission

December 10, 2020

Le 10 décembre 2020

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Port Hope Area Initiative

2020 December 10 Update for Commission: CNL Regulatory Oversight Report



Canadian Nuclear Laboratories | Laboratoires Nucléaires Canadiens

Port Hope Waterfront Sites



Port Hope Harbour - Centre Pier

- Maintenance of Port Hope Harbour
- Next steps:
 - Rehabilitate aging harbour walls
 - Dredge harbour to remove low-level radioactive waste-contaminated sediment
 - Continue to collect/treat contaminated water on site
 - Clean up/restoring Centre Pier



Sewage Treatment Plant Sites



COMPLETE



COMPLETE



Waterfront Sites



Temporary
Storage Site
Remediation
COMPLETE



Remediation
UNDERWAY



Drilling
COMPLETE
Permitting
UNDERWAY



West Beach - Waterworks East

Remediation Complete

- Site restoration complete
- Demobilization underway



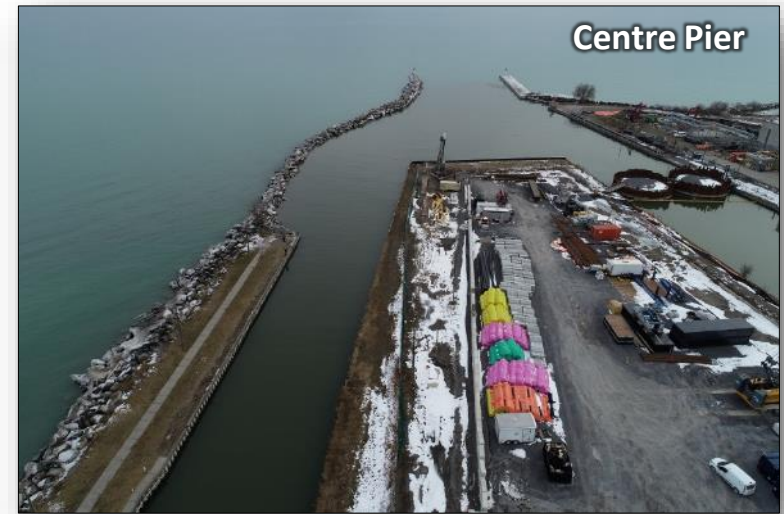
Additional Major Sites

- **Strachan Street Ravine**
Begins winter 2021
- **Alexander Street Ravine**
Design package underway
- **Waterworks West**
Design package underway



Industrial Sites & Sculthorpe Marsh

- Centre Pier
- Lions Park
- Former Coal Gasification Plant
- Chemetron Lagoon
- Sculthorpe Marsh



Highland Drive Landfill & Area

Pine Street North Consolidated Site

- Separate work package
- Remediation begins spring 2021

Highland Drive Landfill/South Ravine

- Third-party review of options

Highland Drive Roadbed

- After Pine Street N. Consolidated Site



PORT HOPE AREA INITIATIVE

NOTICE OF UPCOMING WORK Highland Drive area

As part of the Port Hope Area Initiative, Golder Associates will be performing fieldwork in the Highland Drive area in Port Hope beginning in fall 2020.

Future planned activities include the cleanup of low-level radioactive waste stored at the Pine Street North Extension Consolidation Site (PSNE CS) and the transportation of that waste to the Port Hope Long-Term Waste Management Facility, expected to be completed in summer 2021.

To facilitate this process, preparatory work will begin in October, planned for approximately six weeks. This work includes:

- selective cutting of trees to allow for improved traffic sight lines along Cavan Street
- clearing of brush and grubbing to facilitate access to the excavation and stockpile areas
- internal road work to facilitate increased truck traffic.

There are no anticipated road closures associated with this work.

Check PHAI.ca for updates.

Canadian Nuclear Laboratories is committed to the safety of the public, its workers and the environment while undertaking this community-recommended solution to a longstanding environmental issue.

For more information, contact us at:
25 Henderson Street, Port Hope, ON L1A 0C6
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Port Hope Long-Term Waste Management Facility



Port Hope Legacy Waste Management Facility

Cell 2B Clay Placement



Small-Scale Sites: Radiological Survey

SURVEY



INVESTIGATION



DESIGN



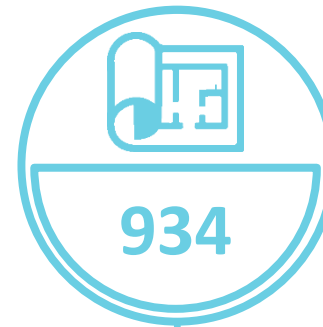
REMEDIATION



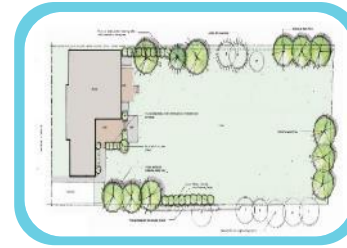
Properties



Projected to
require cleanup



Underway



325 in progress (30%)
159 complete (17%)



Complete



15
underway

~5,117 participating (89%)
4,808 complete
~160 road allowances

934 field work
85% complete



Small-Scale Sites - Remediation & Restoration



Small-Scale Sites - Remediation & Restoration



Port Hope Project (to date)



**Long-Term
Waste Management Facility**

~ 851,000 tonnes
on-site waste transferred

~ 202,000 tonnes
off-site waste safely received



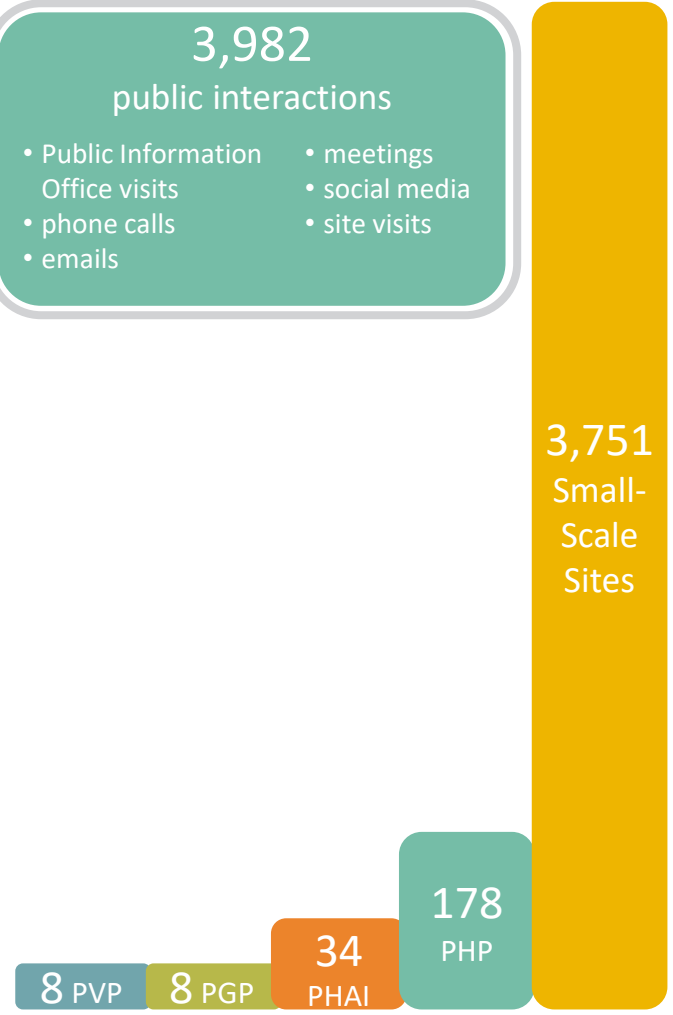
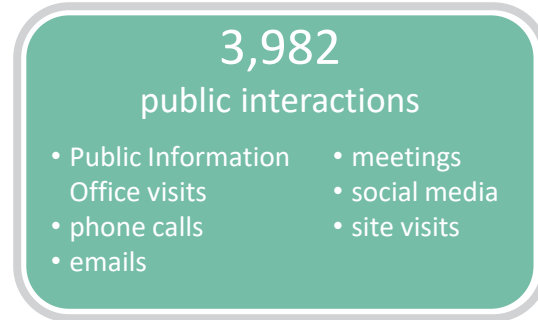
**Waste Water
Treatment Plant**

~ 592,000 m³
clean water released to Lake Ontario

~ 1,370 tonnes
solids sent to safe long-term storage



Public Information Program (2020 YTD)



Port Granby Legacy Waste Management Site

Pre-Excavation - 2012



Port Granby Excavation Complete

Remediation of ~1.3M tonnes of Low-Level Radioactive Waste



Port Granby Legacy Site

Restoration Underway



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Long-Term Waste Management Facility



Port Granby Mound - Capping & Closing



Port Granby Project (to date)



Long-Term Waste Management Facility

~ **1.3M tonnes**
waste safely transferred



Waste Water Treatment Plant

~ **726,000* m³**
clean water released to Lake Ontario
~ **2,687 tonnes**
solids sent to safe long-term storage





Questions?

