

Public Information Session 4 Summary Report



Twin Creeks Environmental Centre Landfill
Optimization Project Environmental Assessment

WM Canada

Watford, Ontario

January 2026

Prepared by:

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1 Background

WM Canada (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) located in the Township of Warwick, Ontario, is undertaking an Environmental Assessment (EA) under the *Ontario Environmental Assessment Act (OEAA)* seeking approval to develop additional landfill disposal capacity as part of the optimization of the design and operations of the TCEC landfill. The TCEC is located near the village of Watford, at the corner of Nauvoo Road and Zion Line, within the County of Lambton. The purpose of the EA is to assess the potential effects of the proposed landfill optimization on the environment.

There are approximately 6 years of approved landfill airspace capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The proposed optimization would provide additional airspace of approximately 14.3 million cubic metres (m³), which could extend the site life by approximately 12 years (from 2031 to 2043) and may be achieved through alternative landfill configurations or alternative methods within the existing 301 ha TCEC site area. No changes are proposed to the size of the TCEC site area, approved service area, or annual fill rate.

The TCEC landfill provides safe and convenient disposal services for communities, businesses and industries servicing the Province of Ontario. There is a need for the continued development of the TCEC as it is a significant component of the provincial waste management network and infrastructure, which is lacking in sufficient and secure long-term disposal capacity. Optimizing the development of the TCEC would maximize the use of the existing site infrastructure and would allow for on-going sustainable business operations and continued provision of essential financial support for community services and programs. The landfill optimization would also provide longer-term certainty of service continuity to WM's customers beyond the remaining approximate 6 years of capacity.

The EA will be carried out in accordance with the requirements of the *OEAA* and the Terms of Reference (ToR) for the project, which was approved by the Ministry of Environment, Conservation and Parks on December 13, 2022. The approved ToR sets out the proponent's framework and work plan for addressing the *OEAA* requirements when preparing the EA, including the public consultation and engagement activities that will be carried out. Four public information sessions are proposed to support the development of the EA for the project.

Public and agency consultation and Indigenous community engagement are an essential part of the EA process. Consultation and engagement activities such as public information sessions provide opportunities to meet the project team, learn more about the project, ask questions, and provide comments about the EA. This report provides a summary of Public Information Session 4 for the EA, which was held on November 19, 2025.

2 Overview of Public Information Session 4

Public Information Session 4 was held to provide an update on the EA, present the Preferred Alternative for the vertical expansion, present the effects assessment of the Preferred Alternative, present an overview of the Draft Environmental Assessment Study Report, and present next steps in the EA process.

The Public Information Session was held at the East Lambton Community Complex in Watford, Ontario. Display panels were set up on easels within the Lambton Mutual Gymnasium. WM staff and consultants were available to discuss the information presented, answer questions, and receive comments. Upon arrival, attendees were asked to sign-in. A comment form was available, which included questions regarding the information presented. Attendees were given the option of filling out the form on-site or returning their comments via mail or email to the project contacts provided on the comment form.

3 Notifications

3.1 Public and Agency Notification

Agencies and members of the public were notified of Public Information Session 4 via the Notice of Public Information Session 4 (the Notice). A copy of the Notice is provided in **Appendix A**.

The Notice was distributed in hard copy via Canada Post direct mail to all houses, apartments, farms, and businesses in the Township of Warwick for a total of 2,009 recipients on October 31, 2025. The Notice was sent via email to agencies, municipalities, organizations, and members of the public on the mailing list on November 5, 2025. The list of agencies, municipalities, organizations, and members of the public that received email notification is provided in **Appendix B**.

The Notice was published in three newspapers on November 6 and November 13, 2025: The Sarnia Observer; The Independent of Petrolia and Central Lambton; and Sarnia This Week. Copies of the newspaper advertisements are provided in **Appendix C**.

A copy of the Notice was uploaded to the project website on November 11, 2025.

3.2 Indigenous Community Notification

The following Indigenous communities and groups were notified of Public Information Session 4 via the Notice sent by Canada Post Xpresspost on October 31, 2025, and by email on November 5, 2025:

- Aamjiwnaang First Nation;
- Walpole Island First Nation – Bkejwanong Territory;

- Caldwell First Nation;
- Chippewas of Kettle and Stony Point First Nation;
- Chippewas of the Thames First Nation;
- Delaware Nation at Moraviantown;
- Munsee Delaware Nation;
- Oneida Nation of the Thames; and
- Métis Nation of Ontario – Lands, Resources & Consultations Branch.

In addition, the Notice was provided through community-specific consultation protocols (NationsConnect) on November 5, 2025 to Caldwell First Nation, Chippewas of the Thames First Nation, and Chippewas of Kettle and Stony Point First Nation.

The mailing list of Indigenous communities and groups that received notification is provided in **Appendix D**.

4 Venue and Attendance

Public Information Session 4 took place on Wednesday, November 19, 2025, at the East Lambton Community Complex, 61 Centennial Avenue, Watford, Ontario from 4 p.m. to 8 p.m. The event was held in-person and was organized to allow attendees to circulate around the space, review the information on the display panels, and ask questions of WM staff and consultants. Based on the completed sign-in sheet (**Appendix E**), the Public Information Session was attended by 54 people in addition to WM and consulting staff.

WM staff included:

- Wayne Jenken, Landfill Engineering Manager;
- Luiza Adsett, Senior Area Manager, Public Affairs;
- Jessica Kropf, Senior Communications Manager;
- Angela McLachlan, Environmental Compliance Manager;
- Isabel Rodriguez, Construction Project Manager;
- Ghislain Lacombe, Director Disposal Operations Canada;
- Kael Hunt, Disposal Operations Management Trainee;
- Greg Milner, Gas Operations Manager; and
- Jason Turnbull, Landfill Operations Manager.

Consulting staff included:

- Kelly Beri, HDR (Environmental Assessment, Consultation and Engagement, Socio-Economic Environment);

- Emma Wensley, HDR (Environmental Assessment Support Staff);
- Cristina Olarte, WSP (Conceptual Design, Geotechnical Feasibility);
- Sarah Pellatt, RWDI (Air Quality and Odour);
- Matthew Butts, RWDI (Air Quality and Odour);
- Anthony Vanderheyden, RWDI (Noise)
- Kareem Aly, RWDI (Noise)
- Jeff Cleland, RWDI (Geology/Hydrogeology);
- Brent Langille, RWDI (Surface Water Quality);
- Eeshan Kumar, WSP (Surface Water Quantity);
- Jeremy Bannon, NRSI (Ecological Environment);
- Glenn Ferguson, Intrinsik (Human Health);
- Mark Schollen, Schollen & Company Inc. (Visual Landscape);
- Adam Beausoleil, HDR (Transportation); and
- Patrick Matkowski, Monteith Brown (Land Use).

5 Information Presented

Information was presented on 29 large display panels set up on easels around the room. A copy of the display panels is provided in **Appendix F**. The information presented included:

- an overview of the TCEC site and the Landfill Optimization Project;
- an update on the EA;
- the Preferred Alternative for the vertical expansion;
- a summary of the effects assessments of the Preferred Alternative;
- an overview of the Draft Environmental Assessment Study Report;
- consultation and engagement opportunities;
- ways that people can participate in the EA; and
- next steps for the EA and project staff contact information.

A copy of the display panels for Public Information Session 4 was made available on the project website at: www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project.

6 Summary of Comments/Issues

As attendees arrived at the Public Information Session, a comment form was available (**Appendix G**), which included questions regarding the information presented. Attendees were given the option of filling out the form on-site or returning their comments via mail or email to the contact information provided on the form. Completed comment forms were requested by December 5, 2025. A copy of the comment form was also made available on the project website.

No completed comment forms were received during or after the Public Information Session. Verbal comments received during the Public Information Session were addressed by staff as they were received. Verbal comments, key issues, and discussions at the Public Information Session are summarized below by subject.

Air Quality and Odour

- Most PIS attendees were interested in the air quality analysis, particularly regarding odour.
- Several attendees indicated that the current odours related to the landfill were strong and frequently noticed in the community. Several attendees that are residents along Nauvoo Road, as well as elsewhere in the Township, indicated that the odours were noticeable at their residences.
- Attendees recognized that our analysis indicated that odours would decrease over time, but concerns were raised about the amount of time that odours were predicted to occur, and the length of time before odours would be expected to decrease.
- Several attendees raised questions about whether odours would be measured.
- Some attendees asked what they can do when odours are causing a nuisance.
- Some attendees raised questions about what was causing the odour, what WM is doing now to address odour, and plans to address odour in the future.
- A few attendees had general comments about litter, dust, and GHG; mostly minor questions about the methodology and conclusions of the studies.

Noise

- Some attendees commented that the most noticeable sound from the site is the back-up beeping noise.
- Attendees residing along Nauvoo Road near Highway 402 commented on hauling trucks lining up along the highway ramp and sometimes Nauvoo Road before 6:30 a.m. where truck idling and occasional use of engine brakes were the main sources of noise.

- Attendees residing approximately 1 km away along Zion Line and Confederation Line noted hearing low-frequency (rumbling) noise from equipment movement when work occurs near their properties.

Geology and Hydrogeology

- Are groundwater samples collected at locations beyond the property boundary of the TCEC?
- Request for groundwater samples to be collected at locations beyond the property boundary of the TCEC.
- How is the leachate contained within the landfill such that it does not contaminate the groundwater?
- Can you explain hydraulic containment?
- How is the leachate managed at the TCEC?
- Which treatment plants receive TCEC leachate?
- How long is groundwater testing completed after TCEC closure?

Surface Water Quality and Quantity

- Are surface water samples collected at locations downstream of the TCEC?
- Request for surface water samples to be collected at locations beyond the property boundary of the TCEC.
- How do the Sedimentation Ponds manage Total Suspended Solids (TSS) within surface water prior to discharging from the TCEC?
- With the increased potential for erosional effects on the landfill soil cap under the landfill optimization, would WM be able to implement enough erosion control measures to protect surface water quality?

Ecological Environment

- An attendee raised concern about birds from the landfill gathering at his property nearby.

Human Health

- Would the increased height change elements like odour and expected air concentrations of contaminants in the surrounding community?

Social Environment

- An attendee was skeptical that there were no nuisance effects from trucks resulting from the Project.

Economic Environment

- How many businesses responded to the Economic Survey?

- Several attendees commented that the Host Community Agreement was being renegotiated.
- Several attendees said they thought that the \$4.1M annual contribution would be increasing.
- Several attendees commented that they thought the property tax contributions percentage was low.

Visual

- An attendee was concerned that the assessment did not take into account the viewers opinion of the change in quality of the view.
- An attendee residing southwest of the TCEC requested that a berm/planting be implemented along the north end of the interface between the WM lands and their property to provide some visual screening. This would assist the attendee in making the plots at the northeast corner of his lands easier to sell/lease.
- Several attendees suggested that the Township of Warwick or County of Lambton should plant rows of coniferous trees along the roads that offer views of the TCEC to provide visual buffering for residents in the vicinity. The rationale is that once these trees form a continuous hedgerow, the TCEC would not be visible to viewers that are proximate to the facility.

Cultural Heritage

- What are some examples of Cultural Heritage Resources?

Archaeological Resources

- An attendee commented that some of the headstones were tilting at the back of the cemetery, and they thought this was due to landfill activities.

Transportation

- Concern about trucks aggressively merging onto Nauvoo Road at the site driveway, despite the presence of an acceleration lane.
- The trucks queuing along the highway off-ramp have improved, nothing that this is allowed and MTO does not have rules against it.
- Concern about the garbage on the roads.

Conceptual Design

- An attendee was concerned about the drainage towards a property southwest of the landfill. The new access road constructed from Confederation Line to the RNG Facility has caused more water to pond at the neighbouring property.

A

Notice of Public Information Session 4



Notice of Public Information Session 4 and Review of Draft Environmental Assessment Study Report

**Twin Creeks Environmental Centre
Landfill Optimization Project Environmental Assessment**

November 19, 2025 | 4 - 8 PM

**East Lambton Community Complex | Lambton Mutual Gymnasium
61 Centennial Avenue, Watford, ON N0M 2S0**

WM Canada (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, will be hosting **Public Information Session 4** for the TCEC Landfill Optimization Project Environmental Assessment (EA). The purpose of the EA is to assess the potential effects of the Project on the environment.

There are approximately 6 years of approved landfill capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project will provide additional capacity of approximately 14.3 million cubic metres, which could extend the site life by approximately 12 years (from 2031 to 2043). The Project will be achieved through a vertical expansion within the existing Expansion Landfill footprint at the TCEC site. No changes are proposed to the size of the TCEC site, approved service area, or annual fill rate.

A Preferred Alternative for the vertical landfill expansion has been identified and assessed. The Draft Environmental Assessment (EA) Study Report documenting the effects assessment is being released for review.

For additional information on the Project, please visit the project website: www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project.

Public Information Session 4 is being held to:

- Provide an update on the EA
- Present the Preferred Alternative for the vertical expansion
- Present the effects assessment of the Preferred Alternative
- Present an overview of the Draft Environmental Assessment Study Report
- Present next steps in the EA Process
- Obtain your input

We value your engagement and look forward to discussing the project with you. You are welcome any time from 4 - 8 PM on November 19th.

If you have questions, please contact:

Wayne Jenken
Landfill Engineering
Manager, Canada Area
WM Canada
5768 Nauvoo Road,
Watford, ON N0M 2S0
519.849.5810
wjenken@wm.com

Larry Fedec, P.Eng. M.B.A.
Senior Consultant
HDR Corporation
100 York Blvd., Suite 300,
Richmond Hill, ON L4B 1J8
289.695.4696
larry.fedec@hdrinc.com

The Draft Environmental Assessment Study Report has been prepared and will be available on the project website for review during the following period:

November 19, 2025 to January 30, 2026

www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project

B

Public and Agency Mailing List

Agencies (Provincial/Federal/Municipal)

Type	Category	Agency	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	Phone number 2 / Fax	Email
Provincial													
Prov / GRT	Conservation Authority	St. Clair Region Conservation Authority	Planning and Regulations			205 Mill Pond Crescent		Strathroy	ON	N7G 3P9	519-245-3710		planning@scrca.on.ca
Prov / GRT	Conservation Authority	St. Clair Region Conservation Authority	Director of Planning and Regulations	Melissa	Deisley	205 Mill Pond Crescent		Strathroy	ON	N7G 3P9	519-245-3710 x251		mdeisley@scrca.on.ca
Prov / GRT	Provincial	Ontario Provincial Police	Facilities Environmental Consultant Facilities Section	Jennifer	Chown	777 Memorial Avenue	2nd Floor	Orillia	ON	L3V 7V3	705-330-2746		jennifer.chown@opp.ca
Prov / GRT	Provincial	Ontario Provincial Police	Facilities Coordinator, Facilities Section	Nicole	Rodaro	777 Memorial Avenue	2nd Floor	Orillia	ON	L3V 7V3	705-238-7008		nicole.rodaro@opp.ca
Prov / GRT	Provincial	Ministry of Agriculture, Food and Rural Affairs	Rural Planner, Land Use Policy & Stewardship Food Safety and Environmental Policy Branch	Nancy	Rutherford	1 Stone Road West		Guelph	ON	N1G 4Y2	226-962-2139		nancy.rutherford@ontario.ca
Prov / GRT	Provincial	Ministry of Agriculture, Food and Rural Affairs	General Email										omafra.eanotices@ontario.ca
Prov / GRT	Provincial	Ministry of Agriculture, Food and Rural Affairs	General Email										SharedEANotices@ontario.ca
Prov / GRT	Provincial	Ministry of Mines	Manager of Strategic (Acting) Support Unit Strategic Services Branch	Tracey	Burton	933 Ramsey Lake Rd. Willet Green Miller Ctr	2nd Floor	Sudbury	ON	P3E 6B5	705-918-1609		tracey.burton@ontario.ca
Prov / GRT	Provincial	Ministry of Mines	Senior Strategic Initiatives Lead Strategic Services Branch	Jodie	McConnell	933 Ramsey Lake Rd. Willet Green Miller Ctr	2nd Floor	Sudbury	ON	P3E 6B5	705-280-7557		jodie.mcconnell@ontario.ca
Prov / GRT	Provincial	Ministry of Mines	Initiatives Coordinator Strategic Support Unit	Omerdin	Omer	933 Ramsey Lake Rd. Willet Green Miller Ctr	2nd Floor	Sudbury	ON	P3E 6B5	705-280-7952		omerdin.omer@ontario.ca
Prov / GRT	Provincial	Ministry of Municipal Affairs and Housing	Manager Community Planning and Development Western Municipal Services Office	Erick	Boyd	659 Exeter Road	2nd Floor	London	ON	N6E 1L3	226-688-9058	F: 519-873-4018	erick.boyd@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources and Forestry, Southern Region	Supervisor (Acting)	Gillian	Hartman	300 Water St., Box 7000	4th Floor, South	Peterborough	ON	K9J 8MS			SR.Planning@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources and Forestry, Southern Region	Regional Planning Coordinator	Cara	Holtby	300 Water St., Box 7000	4th Floor, South	Peterborough	ON	K9J 8MS			SR.Planning@ontario.ca
Prov / GRT	Provincial	Ministry of the Solicitor General	Manager, Capital Planning	Christina	Kwan	25 Grosvenor Street	13th Floor	Toronto	ON	M7A 1Y6	647-201-6169		christina.kwan@ontario.ca
Prov / GRT	Provincial	Ministry of the Solicitor General	Manager(A), P3 Delivery and Operations	Amorette	Rodrigues	25 Grosvenor Street	13th Floor	Toronto	ON	M7A 1Y6	647-244-6341		amorette.rodrigues@ontario.ca
Prov / GRT	Provincial	Ministry of Citizenship and Multiculturalism	Team Lead - Heritage Heritage Planning Unit Programs and Services Branch	Karla	Barboza	400 University Ave.	5th Floor	Toronto	ON	M7A 2R9	416-660-1027		karla.barboza@ontario.ca
Prov / GRT	Provincial	Ministry of Citizenship and Multiculturalism	Heritage Planner	Anastasia	Abrazhevich	400 University Ave.	5th Floor	Toronto	ON	M7A 2R9	437-240-2379		Anastasia.Abrazhevich@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Director, Environmental Assessment Branch	Kathleen	O'Neill	135 St. Clair Ave. West	7th Floor	Toronto	ON	M4V 1P5	647-287-5664		kathleen.oneill@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Supervisor, Environmental Assessment Program Support Environmental Assessment Branch	Nick	Colella	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	416-358-9934		nick.colella@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Supervisor, Environmental Assessment Services Project Coordination Team 1 Environmental Assessment Branch	Solange	Desautels	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	416-992-5867		solange.desautels@ontario.ca

Type	Category	Agency	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	Phone number 2 / Fax	Email
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Senior Advisor - Outreach, Environmental Assessment Program Support Environmental Assessment Branch	Peter	Brown	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	437-243-5010		peter.brown@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Manager (A), Waste Approvals Environmental Permissions	Mohsen	Keyvani	135 St. Clair Ave. West	5th Floor	Toronto	ON	M4V 1P5	416-432-7253		mohsen.keyvani@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Director, Southwest Region	Saif	Sumbal	733 Exeter Rd.		London	ON	N6E 1L3	519-873-5001		saifulah.sumbal@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Director, Operational Services Branch, Southwest Region	John S	Ritchie	733 Exeter Rd		London	ON	N6E 1L3	519-873-5001		john.s.ritchie@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Supervisor, Sarnia District Office	Marc	Bechard	1094 London Road		Sarnia	ON	N7S 1P1	519-490-0761		marc.bechard@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Environmental Compliance District Manager, Sarnia District Office	Michael	Harris	1094 London Road		Sarnia	ON	N7S 1P1	226-932-2720		michael.harris@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks		Jordan	Hughes								Jordan.Hughes@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks		Abdulrahim	Mohamed								Abdulrahim.Mohamed@ontario.ca
Prov	Provincial	Lambton-Kent-Middlesex	MPP	Hon. Steve	Pinsonneault	81 Front Street West		Strathroy	ON	N7G 1X6	519-245-8696		steve.pinsonneault@ontario.ca
Prov	Provincial	Sarnia-Lambton	MPP	Bob	Bailey	805 Christina St. North	Suite 102	Point Edward	ON	N7V 1X6	519-337-0051		robert.bailey@ontario.ca bob.baileyco@pc.ola.org
Federal													
Fed / GRT	Federal	Environment and Climate Change Canada	Manager, Environmental Assessment Section Environmental Protection Branch – Ontario Region	Jeremy	Anglesey	351, boul. Saint-Joseph		Gatineau	QC	K1A 0H3	819-743-8419		jeremy.anglesey@ec.gc.ca
Municipal													
Mun / GRT	Municipal	Lambton Public Health	Medical Officer of Health (A)	Dr. Karalyn	Dueck	160 Exmouth Street		Point Edward	ON	N7T 7Z6	519-383-8331		publichealth@county-lambton.on.ca
Mun / GRT	Municipal	Lambton Public Health	Acting Supervisor of Health Protection	Theresa	Warren	160 Exmouth Street		Point Edward	ON	N7T 7Z6	519-383-8331		theresa.warren@county-lambton.on.ca
Mun / GRT	Municipal	Lambton Public Health	Public Health Inspector	Mike	Richardson	160 Exmouth Street		Point Edward	ON	N7T 7Z6	519-383-8331 x3578		michael.richardson@county-lambton.on.ca
Mun / GRT	Municipal	County of Lambton	CAO	Stéphane	Thiffault	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-0801	519-845-3160	stephane.thiffault@county-lambton.on.ca
Mun / GRT	Municipal	County of Lambton	Clerk/Solicitor	Olivia	Leger	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-5402		olivia.leger@county-lambton.on.ca
Mun / GRT	Municipal	County of Lambton	Clerk/Solicitor (A)	Ryan	Beauchamp	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-5402		ryan.beauchamp@county-lambton.on.ca
Mun	Municipal	County of Lambton	General Manager, Infrastructure & Development Services	Jason	Cole	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-5413	519-845-3160	jason.cole@county-lambton.on.ca
Mun	Municipal	County of Lambton	Manager, Public Works	Matt	Deline	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-0801 x5370	519-845-3160	matt.deline@county-lambton.on.ca
Mun / GRT	Municipal	Township of Warwick	Fire Chief, Warwick Station	Brad	Goodhill	7074 Egremont Road		Warwick	ON	N0M 2S0	519-490-4256		warwickfire@warwicktownship.ca
Mun / GRT	Municipal	Township of Warwick	Fire Chief, Watford Station	Rick	Sitlington	520 Ontario Street		Watford	ON	N0M 2S0	519-490-4337		watfordfire@warwicktownship.ca
Mun	Municipal	Township of Warwick	Acting CAO/Clerk	Ron	Van Horne	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(226) 848-3926	(226) 848-6136	rvanhorne@warwicktownship.ca
Mun	Municipal	Township of Warwick	Treasurer/Deputy Administrator	Trevor	Jarrett	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(226) 848-3926	(226) 848-6136	tjarrett@warwicktownship.ca
Mun	Municipal	Township of Warwick	Public Works Manager	Kyle	Chisholm	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(226) 848-3926		kchisholm@warwicktownship.ca
Mun	Municipal	Township of Warwick	Mayor	Todd	Case	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	519-490-4533		tcase@warwicktownship.ca
Mun	Municipal	Township of Warwick	Deputy Mayor/Councillor	John	Couwenberg	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	519-490-4372		jcouwenberg@warwicktownship.ca
Mun	Municipal	Township of Warwick	Councillor	Wayne	Morris	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	519-383-2332		wmorris@warwicktownship.ca
Mun	Municipal	Township of Warwick	Councillor	Jerry	Westgate	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(519) 876-2519	(519) 331-2519	jwestgate@warwicktownship.ca
Mun	Municipal	Township of Warwick	Councillor	Joe	Manning	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	519-520-5918		jmanning@warwicktownship.ca
Mun	Municipal	Township of Warwick	Economic Development & Communications Officer	Stephanie	Cattrysse	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	226-848-3926		scattrysse@warwicktownship.ca
Mun	School Board	Conseil Scolaire Catholique Providence	Director of Education	Carolyn	Bastien	7515 Forest Glade Drive		Windsor	ON	N8T 3P5	519-948-9227 x237		bastcaro@cscprovidence.ca
Mun	School Board	Lambton Kent District School Board	Director of Education	Gary	Girardi	200 Wellington Street		Sarnia	ON	N7T 7L2			gary.girardi@lkdsb.net
Mun	School Board	St. Clair Catholic District School Board	Director of Education	Lisa	Demers	420 Creek Street		Wallaceburg	ON	N8A 4C4	519-627-6762		lisa.demers@st-clair.net

Public

First Name	Last Name	Company	Address1	Address 2	City	Prov	Postal Code	Phone	Email
Ken and Sherry	Aarts				Watford	ON			
Elke	Aarts				Watford	ON			
Troy	Adams				Watford	ON			
Nancy	Aitken				Watford	ON			
Kiersten	Bisson				Warwick	ON			
Patricia	Bork				Watford	ON			
John & Violet	Caley				Watford	ON			
Kristina	Case				Watford	ON			
Pamela	Cameron								
Alex	Cicccone	Garrod Pickfield LLP							
Carolyn	Cornelissen	2605487 Ontario Ltd.			Watford	ON			
Mike	Cornelissen	Cornelissen Farm Inc.			Watford	ON			
Bill	Davies				Watford	ON			
Wiebren	de Boer				Watford	ON			
Klaas	de Jong				Watford	ON			
Paul	de Rond				Watford	ON			
Laine and Nat	Facchin				Watford	ON			
Tracey	Fisher				Watford	ON			
Trisha	Flury				Watford	ON			
Marinda	Frayne				Watford	ON			
Adam	Gilliland				Watford	ON			
Gerard	Glavin				Arkona	ON			
Sara	Harper				Watford	ON			
John	Harris				Watford	ON			
Robert	Hart				Arkona	ON			
Megan	Honkoop				Watford	ON			
Judy	Irwin				Watford	ON			
Ron	Jariott				Watford	ON			
Val	Johnson				Watford	ON			
Julie	Jones				Watford	ON			
Heather	Joosten				Watford	ON			
Sheila	Joris				Watford	ON			
Brian	Jubenville				Watford	ON			
Kim	Leliveld								
Paul	Leliveld				Watford	ON			
Paula	Leliveld				Watford	ON			
Sonya	MacKenzie				Watford	ON			
Sherie	MacLachlan				Watford	ON			
Joe & Laurie	McCormick				Watford	ON			
Bruce	McDonald				Watford	ON			
Steve	McLean				Watford	ON			
Joseph	Mezenberg				Watford	ON			
Glen	Millar				Wyoming	ON			
P	Mitchell				Watford	ON			
Paul	Morden	The Sarnia Observer			Sarnia	ON			
Wayne	Morris				Watford	ON			
Pat	Muxlow				Watford	ON			
Cheryl	Muxlow				Watford	ON			
Deanna	Muxlow				Watford	ON			
William	Nugent				Watford	ON			
Mac	Parker				Watford	ON			
Kevin	Peters				Watford	ON			
Sharon	Plunkett				Watford	ON			
Connie	Rankin				Watford	ON			

First Name	Last Name	Company	Address1	Address 2	City	Prov	Postal Code	Phone	Email
Greg	Rankin				Watford	ON			
Marion & Brian	Rankin				Watford	ON			
Steven	Roe				Watford	ON			
Betsy	Rombouts				Watford	ON			
Jacky	Saul				Watford	ON			
Shawn	Scott				Watford	ON			
Christine	Shea				Watford	ON			
Mike	Snow				Watford	ON			
Kathy	Soetemans				Watford	ON			
Beth	Steele				Watford	ON			
John	Stephenson				Watford	ON			
Rebecca	Stewart	Libro Credit Union							
Anna-Lee	Straatman				Watford	ON			
Pete	Timmermans				Watford	ON			
Bill	Trenouth				Watford	ON			
Rebecca	Turner				Watford	ON			
Jeremy	Van Haaren	All Season Excavating			Watford	ON			
Mike	Van Kessel				Watford	ON			
Larry	Van Lieshout				Watford	ON			
Chris	Van Loon				Watford	ON			
Dave	Vanos				Watford	ON			
John	Veeke				Watford	ON			
Lynda/Frank	Veens/Vandeschoot				Watford	ON			
Chad	Verberne				Watford	ON			
Joe	Verstraten				Watford	ON			
Holly	Watson				Watford	ON			
Sandy	Wilcox				Watford	ON			
Mary Ann	Williamson				Watford	ON			
Heather	Wright	The Petrolia-Lambton Independent			Watford	ON			
Kathy	Zavitz				Watford	ON			
		F&J Vanden Heuvel & Sons Ltd.			Watford	ON			
		Romgate Farms Ltd.			Watford	ON			
		Twin Creeks Greenhouse			Watford	ON			
		Watford Cemetery Board			Watford	ON			

Warwick Public Liaison Committee

Category	Organization Name	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	Phone number 2 / Fax	Email
WPLC	Warwick Public Liaison Committee	Chair	Mary Lynn	Metras			Tillsonburg	ON				
WPLC	Warwick Public Liaison Committee		Marcie	Parker			Watford	ON				
WPLC	Warwick Public Liaison Committee		John	O'Neil			Watford	ON				
WPLC	Warwick Public Liaison Committee		Karen	Wood			Watford	ON				
WPLC	Warwick Public Liaison Committee		Mac	Parker			Watford	ON				
WPLC/TRT	Garrot Pickfield LLP		Peter	Pickfield			Guelph	ON				
WPLC/TRT	Citizens Environmental Consulting		Wilf	Ruland			Dundas	ON				
WPLC	Warwick Public Liaison Committee	Councillor	Jerry	Westgate			Watford	ON				
WPLC	Warwick Public Liaison Committee		Lily	Braet			Watford	ON				
WPLC	Warwick Public Liaison Committee		Gary	Worsfold			Watford	ON				
WPLC	Warwick Public Liaison Committee		Wiebren	De Boer			Watford	ON				
WPLC	Warwick Public Liaison Committee		Marilyn	Stephens			Watford	ON				
WPLC	Warwick Public Liaison Committee-Township	Mayor	Todd	Case			Watford	ON				
WPLC	Warwick Public Liaison Committee-Township	Councillor (Alternate)	Joe	Manning								
WPLC/MECP	Warwick Public Liaison Committee - MECP		Amanda	Seaman			Sarnia	ON				

C

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FIRE FORCES FAMILY FROM HOME



PHOTO VIA FACEBOOK

An Alvinston area family has been forced from their home after a fire. Brooke Fire Service and Watford fighters were called to a home on Petrolia Line Oct. 31. They worked to salvage part of the home and rescue the animals inside. The family says a neighbour called 911 and then went to rescue the family's dogs.

York1, Chatham-Kent officials to meet this month

Heather Wright
The Independent

York 1 Environmental Services is hiring staff for its controversial Dresden facility and planning for a meeting with municipal leaders.

The Mississauga company has plans to turn the former dump site into a modern landfill and construction and soil waste recycling centre.

Community members have been fighting to stop the project along the banks of Molly's Creek, less than one kilometre from Dresden, from moving forward. But they've been dealt several blows in the past year - first, when the Ford government reneged on a promise to force the company to do an in-depth Environmental Assessment of the project and then when the federal Impact Assessment Agency of Canada president suggested just last week that a federal probe of the plans wasn't necessary.

The IAAC in its advice to the federal environment minister said there were enough provincial regulations in place to deal with concerns about the potential damage to waterways, species at risk and to ensure Indigenous people are consulted on the project. The Environment Minister is likely to provide his answer about a federal investigation by the end of November.

Now, York1's website lists three job opportunities in Dresden including an excavator operator, a traffic control sale house operator, and a wheel loader operator who would act as a supervisor for between two

and three people, according to the company.

Officials have said in the past they plan to prepare the site for several months with no new material brought in, stored on, or land-filled at the property. York1 plans to operate the site under the existing non-amended ECA for waste transfer and processing operating as the previous operator Waste Wood Disposal Ltd.

It plans to apply for a Environmental Compliance Approval for new scope of work for the recycling facility.

The company also told the IAAC it would bring less waste to the Dresden site than initially said - 4,000 tonnes per day instead of the 6,000 tonnes.

Meantime, *The Independent* has learned, a meeting is set up with York1 and Chatham-Kent officials. Sources say the meeting is expected to take place in mid-November. CK officials have not responded to *The Independent's* questions about the meeting.

Just after the IAAC's president announced he didn't believe a federal probe was necessary, Laryssa Waler, spokesperson for York1, called on the municipality to meet with the company.

"We invite the Mayor, CAO, and council to meet with our planning and engineering team at the earliest opportunity to review design safeguards, monitoring, truck-routing controls, and community-benefit commitments—including a Community Liaison Committee with independent experts and a host-community benefits agreement."

Sarnia Police investigate riverfront death

Sarnia Police are saying little after finding a woman dead on Sarnia's waterfront.

Oct. 31, around 6:30 am, police were called to Ferry Dock Hill to check on the well-being of an unresponsive woman. Police and paramedics went to the area and found a 34-year-old woman who was pronounced dead.

A post mortem was done in London,

however police say the cause of death is not conclusive.

More testing will be done, according to a police news release.

While the woman has been identified and her family notified, police say they will not be releasing her name, stating she's out of town.

Police have not released further details right now.



**Notice of
Public Information Session 4
and
Review of
Draft Environmental Assessment Study Report**

**Twin Creeks Environmental Centre
Landfill Optimization Project Environmental Assessment**

November 19, 2025 | 4 - 8 PM

**East Lambton Community Complex | Lambton Mutual Gymnasium
61 Centennial Avenue, Watford, ON N0M 2S0**

WM Canada (WM), the owner and operator of Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, will be hosting **Public Information Session 4** for the TCEC Landfill Optimization Project Environmental Assessment (EA). The purpose of the EA is to assess the potential effects of the Project on the environment.

There are approximately 6 years of approved landfill capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project will provide additional capacity of approximately 14.3 million cubic metres, which could extend the site life by approximately 12 years (from 2031 to 2043). The Project will be achieved through a vertical expansion within the existing Expansion Landfill footprint at the TCEC site. No changes are proposed to the size of the TCEC site, approved service area, or annual fill rate.

A Preferred Alternative for the vertical landfill expansion has been identified and assessed. The Draft Environmental Assessment (EA) Study Report documenting the effects assessment is being released for review.

For additional information on the Project, please visit the project website: www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project

The Draft Environmental Assessment Study Report has been prepared and will be available on the project website for review during the following period:

November 19, 2025 to January 30, 2026

www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project

Public Information Session 4 is being held to:

- Provide an update on the EA
- Present the Preferred Alternative for the vertical expansion
- Present the effects assessment of the Preferred Alternative
- Present an overview of the Draft Environmental Assessment Study Report
- Present next steps in the EA Process
- Obtain your input

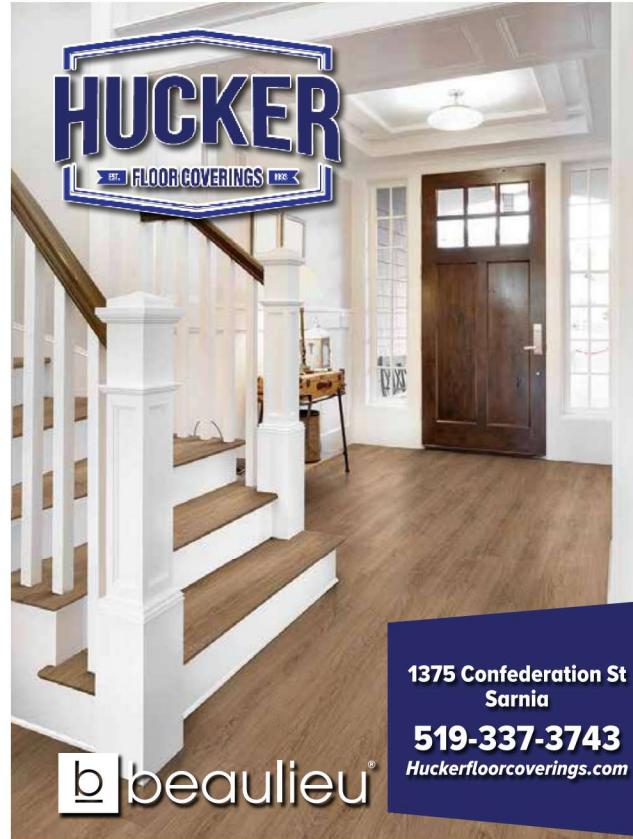
We value your engagement and look forward to discussing the project with you. You are welcome any time from 4 - 8 PM on November 19th.

If you have questions, please contact:

<p>Wayne Jenkin Landfill Engineering Manager, Canada Area WM Canada 5768 Nauvo Road, Watford, ON N0M 2S0 519.849.5810</p>	<p>Larry Fedec, P.Eng. M.B.A. Senior Consultant HDR Corporation 100 York Blvd., Suite 300, Richmond Hill, ON L4B 1R8 289.695.4696 wayne.jenkin@wm.com</p>
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Obituaries



MCKAY, John

John (Jack) McKay, passed away on November 3, 2025, reuniting with his wife Marjorie, just a couple weeks after her passing. They were best friends, lifetime sweethearts and soulmates who wanted nothing more than to be together, always. Beginning 55 years ago as a weekend cottage in the Muskies, Jack and Marj's love led to a 67-year marriage, three loving children, and countless traveling adventures. Jack's optimism and witnessed warmed the hearts of all who knew him. He enjoyed teaching high school in Preston and Elmira, selling real estate in Kitchener. He was active in St. Paul's Knights of Columbus, a volunteer for numerous organizations in the community. He will be deeply missed by daughter Bonnie McKay (Hamer); grandchildren Lance and Keeley; son Scott and his wife Tamara; and great grandchildren Lauren and Ian. Sadly, he was predeceased by daughter Laurie (Grau) and his son-in-law, Rob Hamer. Interment will be held at the D.J. Robins Funeral Home & Cremation Centre (102 N. Victoria St. Sarnia, ON N7T 5W9 www.djrobb.on.ca) on Saturday, November 10, 2025 at 2:00 p.m. with visitation from 12:00 p.m. until time of service. The funeral service will be live streamed at <https://event.forgemanorceremonies.com/ceremony?c-base925c7-6b49-4a56-957e-ea9c378c3f58>

MCKINNON, Carolle
Lucille

Peacefully, surrounded by loving family on Sunday, October 26, 2025, at Bluewater Health, Carolyn Lucille McKinnon passed away at the age of 79. Beloved wife of Ken McKinnon. Loving mother of Craig McKinnon and Corey McKinnon (Callie Stevenson). Cherished grandmother of Cash, Callie, Daniel, sister of Shirley Ann Gauthier. Predeceased by her parents Alma and George Hardick. Carolyn will be dearly missed by the London Road West United Church congregation. Cremation has taken place. A Celebration of Carolyn's life will be held at a later date. Sympathy may be expressed through donations to Bluewater Health (cheques only, at the funeral home, please). Arrangements entrusted to Smith Funeral Home, 1576 London Line, Sarnia. Memories and condolences may be sent online at www.smithfuneralhome.ca

*"Being
deeply loved
by someone
gives you
strength,
while loving
someone
deeply gives
you courage."*

Obituaries

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Obituaries

RAMSAY, Gladys May
(née Clendenning)

of Huntsville (formerly London and Sarnia).

Ushered peacefully into the presence of the Lord, with family by her side, on Tuesday November 4, 2025.

Gladys, beloved wife of the late John Ramsay was in her 102nd year.

Dear mother of Stephen (Doreen) and the late Jayne.

Cherished grandmother to Lori (Jason), Tara (Stephen), Leanne (Jason) and Vanessa (Kevin).

Her much adored great grandchildren Emmett, Cecilia, Garrett and Kolt.

Gladys will be fondly remembered by all who knew her and her ever-present smile. We celebrate her strength, determination, the love she so freely shared and the inspiration she has been to so many.

To honour Gladys' wishes, arrangements have been entrusted to the Opatovsky Funeral Home - Moore Chapel, 9 Paget Street in Sarnia.

If desired, donations to ShareWord Global would be appreciated by the family.

In Memoriams

In Loving Memory Of
Liz Ann Kelly

May 26, 1955 - Nov 6, 2019

In loving Memory
Missed and loved each and every day

From Jeff, Tanya, Mark and families

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This route is located on Bond, Hollands and Lyndale. It has 88 flyers to be delivered every Thurs. Profit every two weeks would be \$17.36.

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This route is located on Brightwood. It has 58 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.36.

SNF261-Brightwood-Townhouse

This route is located on Brightwood and 82 Townhouse. It has 81 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.36.

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SNF4000-Cecil

This route is located on Danbury and Shadwood. It has 82 flyers to be delivered once a week. (Thurs) Your profit every two weeks would be \$17.68.

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This route is located on Laurentian. It has 52 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.68.

SNF5000-Cathcart

This route is located on Cathcart between Colborne and Indian Rd. It has 54 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.68.

SNF5450-Cathcart and Lakeshore

This route is located on Cathcart and Lakeshore. It has 37 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.68.

SNF5451-Twin Lakes

This route is located on Cathcart between Colborne and Indian. It has 52 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.68.

SNF5454-Oxford and Kincardine

This route is located on Oxford and Kincardine. It has 41 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.68.

SNF5455-Indian and Kincardine

This route is located on Indian and Kincardine. It has 54 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.68.

SNF5456-Indian and Lakeshore

This route is located on Indian and Lakeshore. It has 54 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.68.

SNF5457-Indian and Kincardine

This route is located on Indian and Kincardine. It has 54 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.68.

SNF5458-Indian and Lakeshore

This route is located on Indian and Lakeshore. It has 54 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.68.

SNF5459-Indian and Kincardine

This route is located on Indian and Kincardine. It has 54 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.68.

SNF5460-Indian and Lakeshore

This route is located on Indian and Lakeshore. It has 54 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.68.

SNF5461-Indian and Kincardine

This route is located on Indian and Kincardine. It has 54 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.68.

SNF5462-Indian and Lakeshore

This route is located on Indian and Lakeshore. It has 54 flyers to be delivered once a week. Thurs. Profit every two weeks would be \$17.68.

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SNF1004-Bright Grove

This route is located on Brookside & Stoney. It has 54 flyers to be delivered once a week (Thurs). Profit every two weeks would be \$17.36.

Contact Penny Churchill

519-344-3641 Ext. 5

pchurchill@postmedia.com

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listed above, Any material haulage

(large or small), No job too big or small

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Public Information Session 4**

and

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We value your engagement and look forward to discussing the project with you. You are welcome any time from 4-8 PM on November 19th.

If you have questions, please contact:

Wayne Jenken	Larry Fedec, P.Eng., M.B.A.
Manager, Canada Area	Senior Consultant
WM Canada	HDR Corporation
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Watford, ON N0M 2S0	Richmond Hill, ON L4B 1J8
519.849.5810	289.649.4696
jenken@wm.com	larry.fedec@hdcinc.com

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DRIVING

RENTITA NARAINA

If you're in search of a three-row SUV from a mainstream brand, specifically one that is big, comfy, intuitive and family-friendly, it really doesn't get a whole lot better than the 2026 Hyundai Palisade. That said, it really doesn't get a whole lot worse either because the Palisade competes in a segment that has many options that are its equals in many of those aforementioned categories. In fact, big, comfy, intuitive, and family-friendly could also describe three-row like the Toyota Grand Highlander, Honda Pilot, and the Palisade's own cousin, the Kia Telluride, and I'd say the same thing about those; it doesn't get much better. That is, unless you want a minivan which, in my opinion, is much better, but of course, you already knew that.

In this three-row SUV segment, what makes the Palisade stand out from the rest? What makes it such a popular SUV?

Well, for starters, there's this tested XRT Pro trim that's available for 2026. It's an off-road leaning trim because, why not? If other SUVs can do it, then why not the Palisade, too? There are features that make it more adventurous than the rest of the Palisade lineup, starting with all-terrain tires, an extra inch of ground clearance, a set of orange recovery hooks, a standard tow hitch, and more. Hop inside and you can make use of the dedicated off-road screen that will guide you through ... a cottage trail? If you're not the outdoorsy type, then you might be more interested in the hybrid variants, which are also new for 2026.

PRICING

Personally, the XRT Pro isn't the trim I'd choose, but consid-



The 2026 Hyundai Palisade XRT Pro packs a 3.5L V-6 engine generating 287 h.p., and 260 lb-ft of torque. All-wheel drive is standard. PHOTOS: RENITA NARAINA

MILLENNIAL MOM'S REVIEW

THE 2026 HYUNDAI PALISADE OFFERS GREAT VALUE

ering only the base trim is below this model, you might be surprised by how loaded it actually is — as Hyundai usually are when it comes to cool features and great value — but we'll get back to those features in a bit. More than likely, I'd stick with a mid-trim level like the Luxury. The Palisade XRT Pro starts at \$57,799 (plus the destination fee of \$2,100) but for just under \$30,000 more, you can hop into the Luxury trim which puts you into a new-for-2026 hybrid model that will save you money at the gas station. You can also get the hybrid powertrain in the fully-loaded Ultimate Calligraphy trim for \$65,699. But if you really want to show how dedicated you are to your favourite hockey team, the new Canada-only NHL Edition (also hybrid) will ring in at close to \$70K before fees and taxes.

Quickly passing that \$60,000 mark is a hard pill to swallow.

Relatively speaking, it's not a horrible price: the Palisade lineup's pricing is actually fairly

similar to competing three-row SUVs. But that doesn't help much, does it? For what it's worth, the Palisade is one of the greatest values in the segment as even the base model isn't as stripped down as many others.

COPARING THE TRIMS

Interestingly, Hyundai chose a different approach with its 2026 Palisade lineup than the redesigned Santa Fe lineup. When the Santa Fe arrived with its new look, the hybrids were the cheaper trims in the lineup, while a hybrid powertrain wasn't even being offered in the higher trims. For 2026, the Santa Fe lineup is completely hybrid, but that doesn't change the fact that I'd love a hybrid powertrain in the Palisade's base model because then buyers are treated to savings upfront, as well as at the pumps.

POWER

The base and XRT Pro models get a 3.5L V-6 that produces 287 h.p. and 260 lb-ft of torque; all-

wheel drive is standard for the Palisade lineup. It's surprisingly smooth and fairly quiet for an off-road trim that rides higher on all-terrain tires. You might expect a little more wind and tire noise, but I never had that issue, though I will note I didn't have the Ultimate Calligraphy to compare it to directly, and there might be a more noticeable difference if you drive the two trims back-to-back. For what it's worth, I drive a 2014 Honda Odyssey which made the Palisade XRT Pro seem nearly silent. If the slight noise is a dealbreaker, you'll be glad to know the Bose sound system is ready to drown out any and all outside (or inside) noises.

Shift into reverse and the amazing backup camera (with surround view, yes, surround view in a lower trim) will easily guide you into a spot, which is nice considering this is a fairly large vehicle that tends to feel even bigger than it is while driving. If you opt for a hybrid trim,

you'll be getting a 2.5L 14 that works with an electric motor to generate 329 h.p. and 339 lb-ft of torque. If you're wondering just how much better the fuel economy is in the hybrid Palisade, well, it's quite a big difference. While the base model averages 11.9 L/100 km, the XRT Pro bumps up a little higher to 12.7 L/100 km (observed averages were slightly higher than that). That hybrid powertrain will drop the average fuel consumption to 8.1 L/100 km.

COMFORT AND PRACTICALITY

I would pick the Palisade over quite a few other three-row SUVs, but if I had to pick between the Palisade or the Kia Telluride, I would pick the Kia simply because I find the driver's seat more comfortable. But that's not to say that you won't find the Palisade more comfy. A test-drive is so important!

The rear seats are really comfy, especially the captain's chairs, despite being unusually heavy



The 2026 Hyundai Palisade XRT Pro has a heated steering wheel and seats.

(as are the doors). My younger kids can't push them back down into the secured position, but I do love the tilt feature that means a latched car seat won't need to be frequently removed and replaced.

Obviously, being a three-row SUV, there isn't a whole lot of cargo space behind the third row, 540 litres to be exact. A trip to the grocery store is about all that will fit back there unless you want to start stacking your fruits on top of your eggs. If more space is required, the 60-40 third-row can be flipped down to open up the space but if you've got more than two kids, you may have to leave one at the grocery store.

FINAL THOUGHTS

One of the things that allows the Hyundai Palisade to stay relevant in the competitive three-row segment is that it, like many of the other Hyundai SUVs, are ever-changing and evolving to accommodate its customers. Its new design cues are always practical and its updated technology is often standard across the lineup, which helps it stand out against the typical fan favourites. Adding a hybrid powertrain to the lineup gives it a one-up against other three-rows that have yet to offer some form of electrification and keep up with those that do.

The Palisade may not be my absolute favourite three-row SUV, but I can most definitely understand why so many people would choose the Palisade over other well-known brands. Always remember to get out there and test-drive the vehicles on your short list!

Driving.ca

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61 Centennial Avenue, Watford, ON N0M 2S0**

WM Canada (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, will be hosting **Public Information Session 4** for the TCEC Landfill Optimization Project Environmental Assessment (EA). The purpose of the EA is to assess the potential effects of the Project on the environment.

There are approximately 6 years of approved landfill capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project will provide additional capacity of approximately 14.3 million cubic metres, which could extend the site life by approximately 12 years (from 2031 to 2043). The Project will be achieved through a vertical expansion within the existing Expansion Landfill footprint at the TCEC site. No changes are proposed to the size of the TCEC site, approved service area, or annual fill rate.

A Preferred Alternative for the vertical landfill expansion has been identified and assessed. The Draft Environmental Assessment (EA) Study Report documenting the effects assessment is being released for review.

For additional information on the Project, please visit the project website: www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project.

Public Information Session 4 is being held to:

- Provide an update on the EA
- Present the Preferred Alternative for the vertical expansion
- Present the effects assessment of the Preferred Alternative
- Present an overview of the Draft Environmental Assessment Study Report
- Present next steps in the EA Process
- Obtain your input

We value your engagement and look forward to discussing the project with you. You are welcome any time from 4 - 8 PM on November 19th.

If you have questions, please contact:

Wayne Jenken Landfill Engineering Manager, Canada Area WM Canada 5768 Nauvoo Road, Watford, ON N0M 2S0 519.849.5810 wayne.jenken@wm.com	Larry Fedec, P.Eng., M.B.A. Senior Consultant HDR Corporation 100 York Blvd., Suite 300, Richmond Hill, ON L4B 1J8 289.695.4696 larry.fedec@hdrinc.com
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The Draft Environmental Assessment Study Report has been prepared and will be available on the project website for review during the following period:

November 19, 2025 to January 30, 2026

www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project

We Will Remember

Across Lambton County people paused for Remembrance Day services



BLAKE ELLIS PHOTOS



Oil Springs residents gathered at the local cenotaph Sunday. Village Councillor Adam Veen, above, brought the cross and flags to the foot of the memorial while Mayor Ian Veen, left, and Enniskillen Deputy Mayor Judy Krall, below, laid wreaths for the communities.



CHRISTAL BRESSETTE AND SUBMITTED PHOTOS
Above, in Alvinston, members of the Colour Guard, including Sgt. at Arms Jerry Edgar, stand for a moment of silence in the snow and cold at the cenotaph in front of the local library Nov. 11. Lambton Shores Mayor Doug Cook, left, was among the dignitaries in Arkona Saturday to lay wreaths at the cenotaph in the community's cemetery. Sarnia-Lambton-Bkejwanong MP Marilyn Gladu was also on hand.



Calling all Veterans

...if you have not already received an invitation - please note:

We invite you and your spouse or caregiver to
Christmas Dinner

Wednesday, November 26th
12:00 pm



Please RSVP by November 19th, 2025
to Connie Moore @ 519-882-4258 or
Dawn McNally @ 519-882-4919

Dinner is sponsored by IODE
Margaret Stokes Chapter
with Petrolia Legion
& Legion Auxiliary



**Notice of
Public Information Session 4
and
Review of
Draft Environmental Assessment Study Report**

Twin Creeks Environmental Centre
Landfill Optimization Project Environmental Assessment

November 19, 2025 | 4 - 8 PM

East Lambton Community Complex | Lambton Mutual Gymnasium
61 Centennial Avenue, Watford, ON N0M 2S0

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519.849.5810
wjenken@wm.com

Larry Fedec, P.Eng., M.B.A.
Senior Consultant
HDR Corporation
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Richmond Hill, ON L4B 1J8
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Obituaries

To place an Obituary or In Memoriam: Self Serve: remembering.ca Email: announcements@postmedia.com Telephone: 1-877-750-5054

Obituaries

**PARE, Rosemary**

1929 - 2025

With her family by her side, on Sunday November 9, 2025, at Bluewater Health in Sarnia, at the age 95, Rosemary was the beloved wife of the late James Pare (2011). Loving Mother of Patricia Manherz, Mary D'Alimonte (Louis), and James Pare (Paulette). Cherished Grandmother of Anthony D'Alimonte (Luisa), Jennifer (Laura) (Matt), Danielle (Griffiths) (Craig), Markie Manherz (Dawn), and Colin Pare, and great grandmother of 9. Surrounded by her brother, Mike McEvily, Rosemary was loved by her son Joe Pare. Mom was a Seamstress and loved to sew. She was also known for her art. Her interest included knitting, crocheting, and making jewellery. Rosemary loved fishing, bike riding, and walking with her husband Jim. She will be remembered as a very social, loving and caring person. The family wish to acknowledge the kind and compassionate care Rosemary received from the staff at Aton Park Place Nursing Home and Bluewater Health. Pare's final resting place in Cremation has taken place. A private family ceremony will take place at a later date. Remembrances and condolences may be expressed to the family online in "Rosemary's Guestbook" at mccormackfuneralsarnia.com. If desired, donations to Bluewater Health, would be appreciated.

**WILES, Joyce**

On Tuesday November 14, 2025, at Bluewater Health, Sarnia, On. Joyce Marie (White) Wiles passed away peacefully at the age of 77. Joyce was the beloved wife of the late Kenneth Lloyd Wiles (2005) and of the late James Wiles (2021). She was the devoted mother of Jeff Wiles (Tina) and Tim Wiles (Brook) and the cherished grandmother of Benjamin, Jordan, Hunter, Elliott, and Oliver. She was the dear sister of the late Elsie White (Ivadell) and will be lovingly reunited with her grandson Benjamin and her parents, Gordon and Dorothy White. Joyce will also be deeply missed by her sweet best friend and loyal dog, Amy. Joyce had a lifelong love of music; especially the fiddle and could often be found with her fiddle tapping along to jigs. There were predictions or other performances no matter the distance to attend. She loved to travel, meet new people, and never hesitate to strike up a conversation that often blossomed into lasting friendship. Joyce was a generous friend with a kind and helping heart; always ready to lend a hand, share a smile, or a kind word. If you were lucky, a slice of her famous apple pie. Joyce will never be forgotten by those who loved her; her warmth, laughter, and the way she made others feel seen and supported will live on in their hearts. Celebration of Life will take place Friday, November 14, 2025. Visitation will commence at 12:00 p.m., followed by a short service at 1:00 p.m. at St. Joseph's Cemetery, Borden Church, 1285 Michigan Ave., Sarnia, ON, N7T 4M6. Interment will follow at Resurrection Cemetery. Funeral arrangements have been entrusted to Dr. Rohr Funeral Home & Cremation Centre, 102 N. Victoria St., Sarnia, ON, N7T 5W9. Memories and expressions of condolence may be shared at www.djrohr.com.ca. Memorial donations to St. Joseph's Hospice would be gratefully appreciated. Contributions may be made online at www.stjosephshospice.ca



In Memoriams

**In Loving Memory Of
Judy Hearn**

Nov 13, 2021

In Loving memory of a Dear wife, Devoted Mother and Proud Grandmother & Great Grandmother who passed away 4 years on November 13 2021. 4 Years today since we had to say goodbye, we miss your voice, your hugs and your gentle wisdom. You may be in heaven but you'll forever be in our hearts. Love forever, Norrie, Cheryl and the late Steve Blodeau. Tammy Apter, Jody & Trevor Daniel. Missed and Loved by her Grandchildren Chantelle & Jon Seton, Tyler & Lauren Blodeau, Chelsea & Dillon Lapointe, Makayla Apter & Ryan Chaput, Cole & Daniel. Great Grandchildren Brantley, Sadie, Stephen, Sophie, Hazel, Rosalie.

View and sign
the guest book.
Share memories of a loved one.**REMEMBERING.CA****LOOKING FOR A JOB
OR A CANDIDATE?**
Visit working.theobserver.ca**WORKING.COM THE OBSERVER**

Customer Service

Carriers WantedSNP269
This route is located on Bond, Hollands and Lyndale. It has 88 flyers to be delivered every Thurs. Profit every two weeks would be \$17.68.SNP8019-Sherwood Village route
This route is located on Thistledown. It has 52 flyers to be delivered once a week Thurs. Profit every two weeks would be \$17.68.SNP8018-Sherwood-Township route
This route is located on Broadwood and 82 Street. It has 61 flyers to be delivered once a week Thurs. Profit every two weeks would be \$27.54.SNP283
This route is located on Church, Lite and Smith. It has 41 flyers to be delivered once a week Thurs. Profit every two weeks would be \$15.30.SNP268
This route is located on Cecil, East, Lorne, London, and Norman and Wilson. It has 62 flyers to be delivered every Thurs. Profit every two weeks would be \$34.68.SNP149
This route is located on Danbury and Sheffield. It has 53 flyers to be delivered once a week Thurs. Profit every two weeks would be \$18.02.SNP148
This route is located on Laurentian Cres. It has 41 flyers to be delivered once a week Thurs. Profit every two weeks would be \$13.94.SNP284
This route is located on Athene, Denmark and Norway. It has 52 flyers to be delivered once a week Thurs. Profit every two weeks would be \$17.68.SNP285
This route is located in Indian Rd. (Cathcart and Lakeshore) It has 37 flyers to be delivered (Thurs) Profit every two weeks would be \$16.35.SNP456
This route is located on Cathcart and Mariposa, and Oakridge. It has 57 flyers to be delivered once a week (Thurs) Profit every two weeks would be \$16.05.SNP134
This route is located on Cathcart between Cobourg and Indian. It has 33 flyers to be delivered once a week (Thurs) Profit every two weeks would be \$16.05.SNP11-Twin Lakes
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Lambton College, Community Futures team up for Project Pitch It comp

TYLER KULA

Lambton College students and recent alumni are getting schooled in business planning through a competition for potential entrepreneurs.

The FedDev Ontario-funded agency that's provided funding and coaching for local businesses since 1988 teamed up with the Sarnia college in 2024 to offer Project Pitch It, says Sarah Reaume, chief executive of Community Futures Lambton.

This year's competition is underway.

Pitch It helps students develop business ideas, and offers prize money for business and education-related expenses.

Contestants aren't tasked to pitch full business plans, as in precursor Business Boost Bundle competitions aimed at all entrepreneurs in Sarnia-Lambton, and that included funding for storefront rent and marketing costs, Reaume said.

They work on foundations for business plans, using a business model canvas, to map out things like value creation, operational efficiency and success planning from a "30,000-foot view," to test the viability of their ideas, Reaume said.

About half of this year's nearly 40 applicants were selected to take part in a series of workshops with entrepreneurs and Community Futures staff, she said.

"What we hope to equip kids with is a real solid understanding of the thought process they should be going through," she said.

Workshops in this year's competition recently wrapped up, and eight finalists will pitch their plans to a panel of judges Nov. 13, she said.

Top prize is \$4,500 and the total

prize pool is \$10,000.

Reaume's also offered to help participants with crafting business plans after competition wraps up. Most are interested, she said.

"These are the sorts of outcomes that really excite us from a Community Futures point of view because that's what we're here for," Reaume said.



What we hope to equip kids with is a real solid understanding of the thought process they should be going through.

The competition "is foundational to them going on and doing a full-blown business plan and financials," she said.

Four of last year's participants went on to start their own businesses.

Community Futures last held the Business Boost Bundle competition in 2023, toyed with a modified version called The Pitch, then pivoted to Pitch It, Reaume said.

A community-wide entrepreneurship competition may return after a third Pitch It, planned for 2026, she said.

"We're going to do that and see where we go from there."



Notice of Public Information Session 4 and Review of Draft Environmental Assessment Study Report

Twin Creeks Environmental Centre
Landfill Optimization Project Environmental Assessment

November 19, 2025 | 4 - 8 PM

East Lambton Community Complex | Lambton Mutual Gymnasium
61 Centennial Avenue, Watford, ON N0M 2S0

WM Canada (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, will be hosting Public Information Session 4 for the TCEC Landfill Optimization Project Environmental Assessment (EA). The purpose of the EA is to assess the potential effects of the Project on the environment.

There are approximately 6 years of approved landfill capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project will provide additional capacity of approximately 14.3 million cubic metres, which could extend the site life by approximately 12 years (from 2031 to 2043). The Project will be achieved through a vertical expansion within the existing Expansion Landfill footprint at the TCEC site. No changes are proposed to the size of the TCEC site, approved service area, or annual fill rate.

A Preferred Alternative for the vertical landfill expansion has been identified and assessed. The Draft Environmental Assessment (EA) Study Report documenting the effects assessment is being released for review.

For additional information on the Project, please visit the project website: www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project.

Public Information Session 4 is being held to:

- Provide an update on the EA
- Present the Preferred Alternative for the vertical expansion
- Present the effects assessment of the Preferred Alternative
- Present an overview of the Draft Environmental Assessment Study Report
- Present next steps in the EA Process
- Obtain your input

We value your engagement and look forward to discussing the project with you. You are welcome any time from 4 - 8 PM on November 19th.

If you have questions, please contact:

Wayne Jenken Landfill Engineering Manager, Canada Area WM Canada 5768 Nauvo Road, Watford, ON N0M 2S0 519.849.5810 wjenken@wm.com	Larry Fedec, P.Eng. M.B.A. Senior Consultant HDR Corporation 100 York Blvd., Suite 300, Richmond Hill, ON L4B 1J8 289.695.4696 larry.fedec@hdrinc.com
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The Draft Environmental Assessment Study Report has been prepared and will be available on the project website for review during the following period:

November 19, 2025 to January 30, 2026

www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project

D

Indigenous Community Mailing List

Indigenous Communities/Organizations

E

Completed Sign-In Sheet



Public Information Session 4

Twin Creeks Environmental Centre Landfill Optimization Project EA
November 19, 2025
East Lambton Community Complex, 61 Centennial Avenue, Watford, ON N0M 2S0

Name	Address	Phone Number	Email
Marylyn Methu			
Jessica Anderson, Brad Goodhill			
MATT DELINE			
LAURA BLAIN			
Dawn Johnson			
Joanie Hamel			
JASON COLE			
Fallon Bercht			
Ema Leclair			
LYNN JARIOTT			
RON JARIOTT			
TERRY JARLT			
Kyle Chislak			
Julie Jariott			
JERRY WESTGATE			
John Van Loon			
JILL VAN LOON			
Krista Hill			
Violet Caley			



Public Information Session 4

Twin Creeks Environmental Centre Landfill Optimization Project EA
November 19, 2025
East Lambton Community Complex, 61 Centennial Avenue, Watford, ON N0M 2S0



Public Information Session 4

Twin Creeks Environmental Centre Landfill Optimization Project EA
November 19, 2025
East Lambton Community Complex, 61 Centennial Avenue, Watford, ON N0M 2S0

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Public Information Session Content



Public Information Session 4

**Twin Creeks Environmental
Centre Landfill Optimization
Project Environmental
Assessment**

November 19, 2025





Welcome

Public Information Session 4 is being held to present:

- An **update** on the Environmental Assessment (EA)
- The **Preferred Alternative** for the vertical expansion
- The **effects assessment of the Preferred Alternative**
- An **overview of the Draft Environmental Assessment Study Report**
- **Next steps** in the EA Process

WM staff and consultants are available to answer your questions



Site Overview



Twin Creeks Environmental Centre Overview

Year Opened
1972

First Year Operated by WM
1996

Projected Life Remaining
~6 years

Total Area
301 ha

Permitted Landfill Footprint
101.8 ha

Approved Capacity
~26.5M m³

Remaining Capacity
~8.9M m³

Annual Fill Rate
1.4M tonnes/year

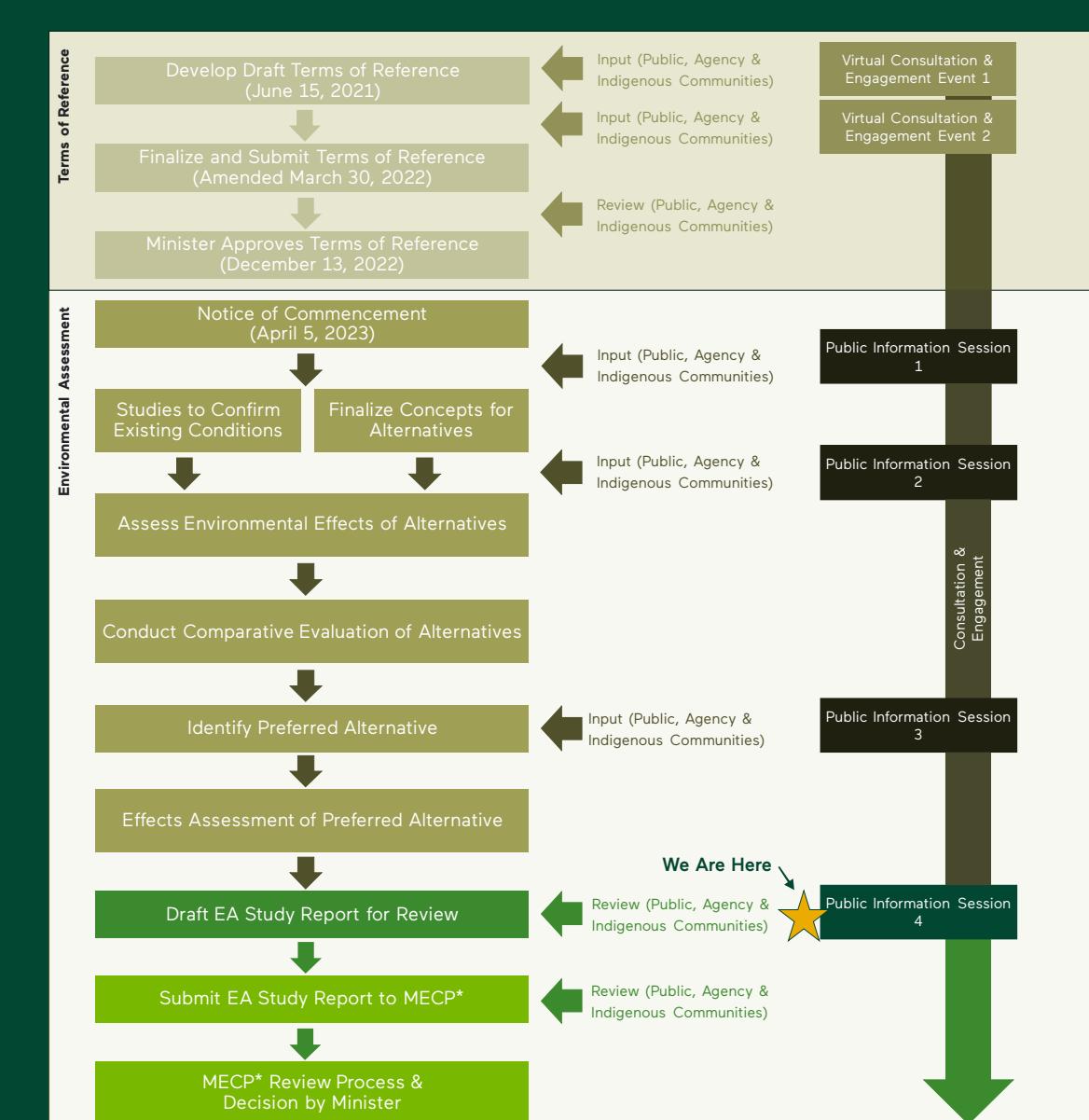
Environmental Assessment Update

The Environmental Assessment (EA) is being carried out according to the approved Terms of Reference and the requirements of the Ontario Environmental Assessment Act.

A Preferred Alternative for a vertical landfill expansion has been assessed in the EA.

The effects of the Preferred Alternative have been assessed and documented in the Draft EA Study Report. The Draft EA Study Report will be available for public review from November 19, 2025 to January 30, 2026.

The next step will be to review public input on the Draft EA Study Report and develop the Final EA Study Report.

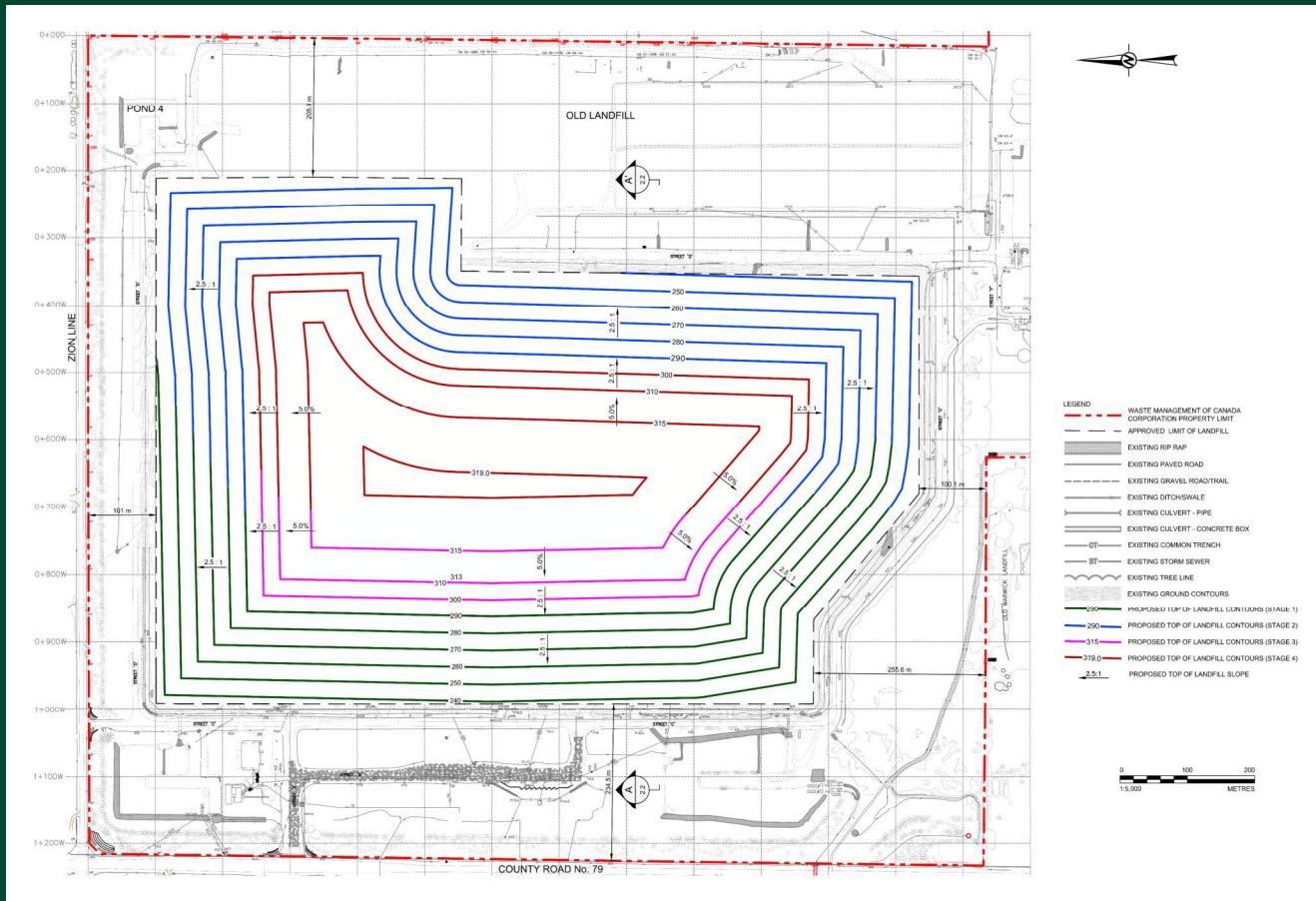


*MECP = Ministry of Environment, Conservation and Parks

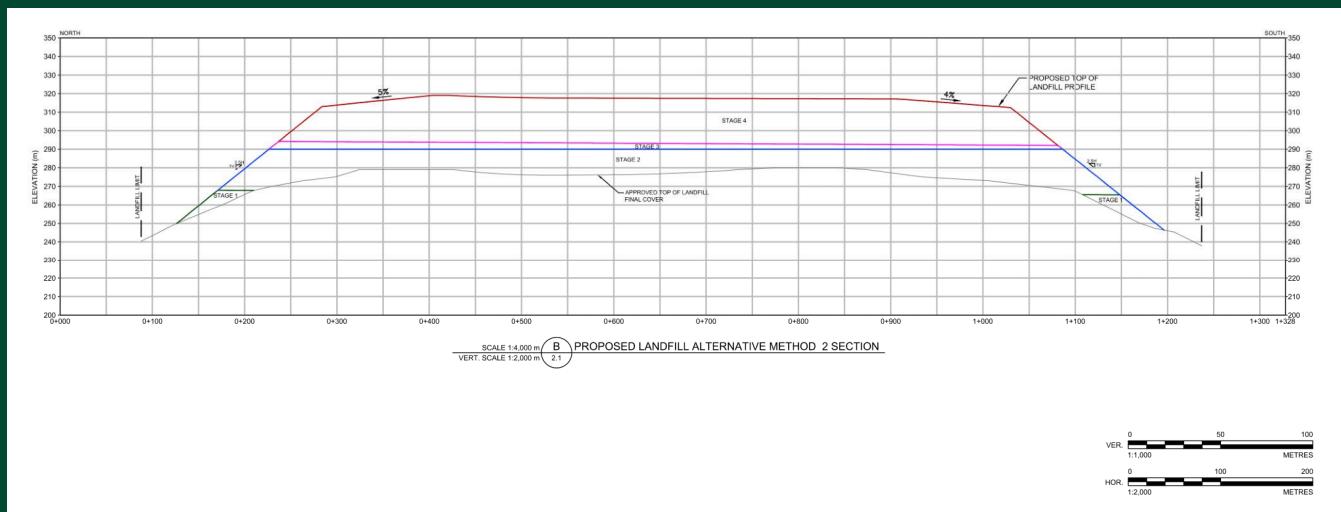
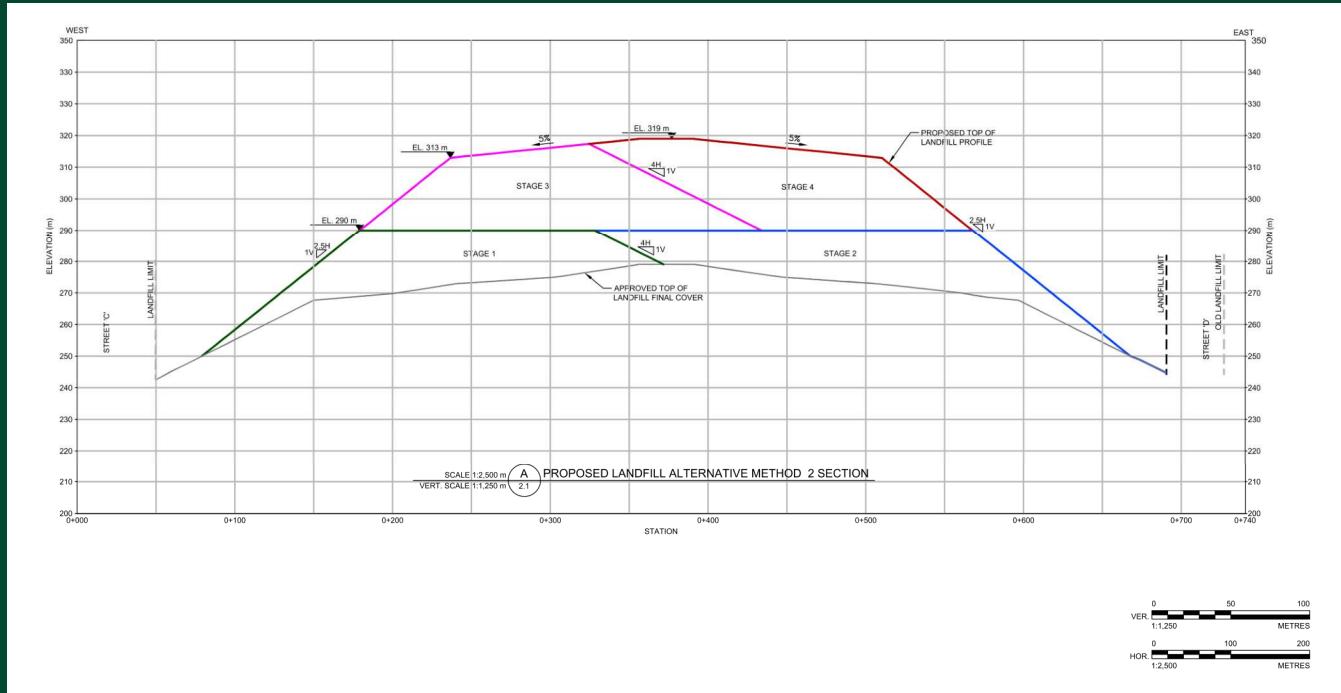


Preferred Alternative

- Capacity of 14.3 million m³
- 12 years of operation
- 4 stages
- Maximum height = 319 masl
- 39 m higher than approved Expansion Landfill (280 masl)
- Increase of final landfill side slopes from 4H:1V to 2.5H:1V between elevation 250 masl and elevation 310 masl, about 60 m in grade change, transitioning to a 20H:1V upper slope



Preferred Alternative – Cross-Sections



Air Quality Effects Assessment

Three Scenarios Assessed



End of Stage 1 (2034)
Working face in northwest corner



End of Stage 2 (2037)
Working face in northeast corner



End of Stage 4 (2042)
Final year before closure, maximum waste

Dust

Concentrations of **annual TSP**, **annual PM_{2.5}**, and **24-hour PM_{2.5}** were predicted < **criteria for all Scenarios**.

Concentrations of **24-hour TSP** and **24-hour PM₁₀** were predicted > **criteria for all Scenarios**.

24-hour TSP (criteria 120 µg/m³)



Maximum concentration range across scenarios: 172 µg/m³ to 281 µg/m³



Maximum frequency range across scenarios: 0.5% (~2 days/year) to 2.2% (~8 days/year) at R4



Number of receptors affected across scenarios: Between 3 and 9

24-hour PM₁₀ (criteria 50 µg/m³)



Maximum concentration range across scenarios: 67 µg/m³ to 100 µg/m³



Maximum frequency range across scenarios: 0.4% (~1.5 days/year) to 1.3% (~5 days/year) at R4



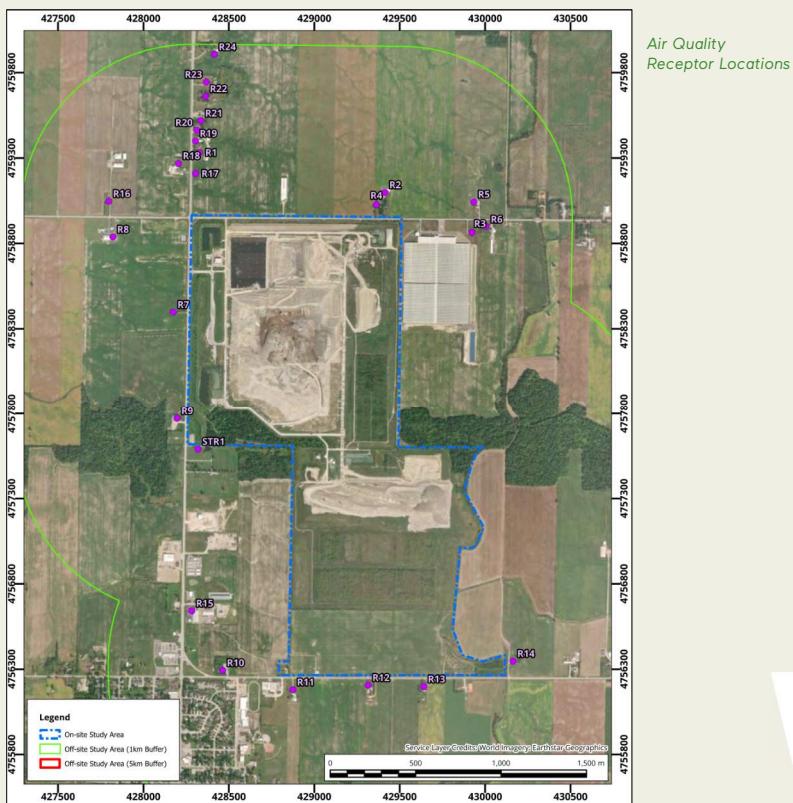
Number of receptors affected across scenarios: 3

Mitigation:

- Replace existing south haul ramp with a hard material equivalent to a paved surface.
- Implement enhanced watering protocols for paved roadways to achieve 95% control.
- Update and continue implementation of the Dust Best Management Practices Plan (BMPP).

Monitoring:

- Dust monitoring will continue as per Condition 13.8 of Waste ECA A032203.



Air Quality Effects Assessment

Landfill Gas and Combustion By-Products

Concentrations of **benzene, vinyl chloride, 1,2-dichloroethane, ammonia, SO₂, NO_x, Dioxins & Furans, and 24-hour H₂S** were predicted < criteria for all Scenarios with background included.

Concentrations of **10-min H₂S, 10-min TRS, and 24-hour TRS** were predicted > criteria for all Scenarios with background included.

Elevated concentrations result from high background concentrations generated by off-site sources, and landfill operations have very little contribution.

10-min H₂S (criteria 13 µg/m³)



Maximum concentration from landfill operations: 0.76 µg/m³

10-min TRS (criteria 13 µg/m³)



Maximum concentration from landfill operations: 1.15 µg/m³

24-hour TRS (criteria 7 µg/m³)



Maximum concentration from landfill operations: 0.11 µg/m³ to 0.16 µg/m³

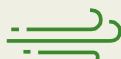
No net effects identified:

- Changes in predicted concentrations will be minimal.
- No frequency of exceedance at receptors due to landfill operations.
- No receptors with predicted concentrations exceeding criteria due to landfill operations.

Monitoring:

- Hydrocarbon and VOC monitoring will continue as per Condition 13.8 of Waste ECA A032203.

Blowing Litter

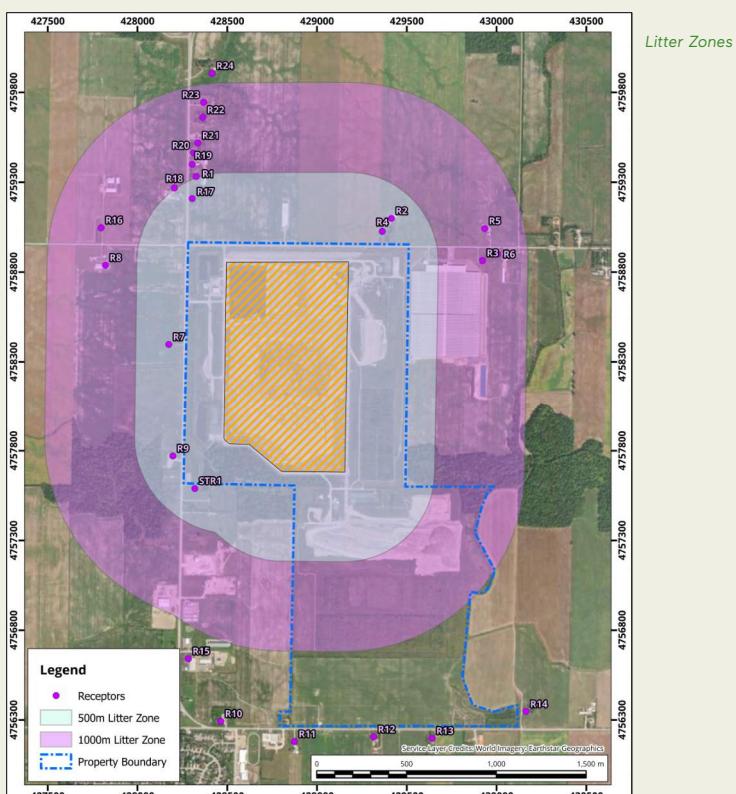


No net effects identified:

- No changes to litter zones.
- No changes to number of off-site receptors within litter zones.

Mitigation:

- Continued implementation of the Litter BMPP.



Odour Effects Assessment

Odour Concentration Levels

Odour is measured in odour units per cubic metre (OU/m³).

1
Detection Threshold

3
Recognition Threshold

5
Annoyance Threshold

MECP: odour < 1 OU/m³ acceptable at receptors if frequency is < 0.5% of the time.

Three Scenarios Assessed



End of Stage 1 (2034)
Working face in northwest corner



End of Stage 2 (2037)
Working face in northeast corner



End of Stage 4 (2042)
Final year before closure, maximum waste

Scenario ①



Maximum concentration:
> 1 OU/m³ at all receptors
> 3 OU/m³ at 8 receptors
≥ 5 OU/m³



Maximum frequency:
> 1 OU/m³: maximum 2.9% (~252 hr/yr) at R7
> 3 OU/m³: maximum 0.1% (~10 hr/yr) at R4



Number of receptors affected:
> 1 OU/m³ > 0.5% of the time: 19
≥ 3 OU/m³: 8

Scenario ②



Maximum concentration:
> 1 OU/m³ at all receptors
> 3 OU/m³ at 2 receptors
≥ 5 OU/m³



Maximum frequency:
> 1 OU/m³: maximum 1.6% (~141 hr/yr) at R7
> 3 OU/m³: maximum 0.009% (~0.8 hr/yr) at R4



Number of receptors affected:
> 1 OU/m³ > 0.5% of the time: 12
≥ 3 OU/m³: 2

Scenario ③



Maximum concentration:
> 1 OU/m³ at all receptors
> 3 OU/m³ at 1 receptor
≥ 5 OU/m³



Maximum frequency:
> 1 OU/m³: maximum 0.4% (~38 hr/yr) at R4
> 3 OU/m³: maximum 0.002% (~0.2 hr/yr) at R4



Number of receptors affected:
> 1 OU/m³ > 0.5% of the time: none
≥ 3 OU/m³: 1

Predicted concentrations, frequency of exceedance at receptors, and number of affected receptors are expected to be similar to the approved Expansion Landfill and decrease over the life of the Project as final cover is applied.

Mitigation:

- Continued implementation of the Odour BMPP.



Noise Effects Assessment

Three Stages Assessed



Stage 1

- Typical landfilling lower elevation
- Side slope redevelopment
- Typical landfilling upper elevation



Stage 2

- Typical landfilling lower elevation
- Side slope redevelopment
- Typical landfilling upper elevation



Stage 3

- Typical landfilling



No net effects identified:

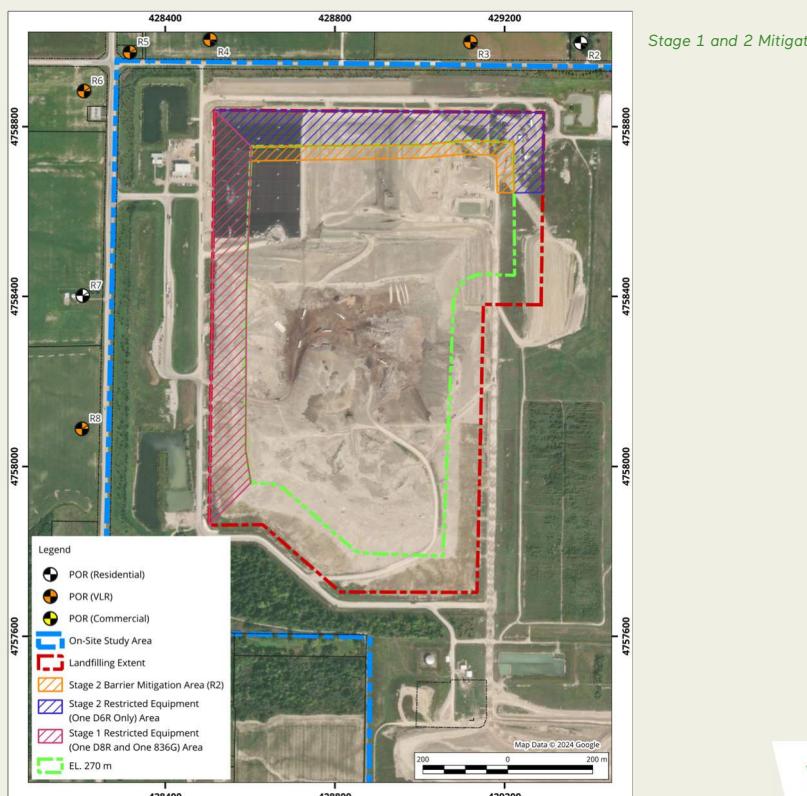
- Noise levels will meet applicable landfilling noise guidelines during daytime hours, with the implementation of the identified mitigation measures.
- Changes in sound levels were qualitatively rated as insignificant (≤ 3 dB).

Mitigation:

- Limit the number of active equipment near the perimeter of the landfill when developing the side slopes in proximity to receptors R2 and R7.
- Implement operational berms (3 m in height) along the northern edge of the 270 m elevation during Stage 2.

Monitoring:

- Annual (once per year) acoustic audits at receptor locations R2 and R7 during the development of Stages 1 and 2.
- Conduct an acoustic audit when landfilling operations trigger a mitigation requirement.
- Annual compliance monitoring will verify that the Landfilling Noise Guidelines are being met.



Hydrogeology Effects Assessment

The design of the Expansion Landfill is hydraulic containment, which promotes groundwater flow towards the landfill footprint, preventing the outward movement of leachate.

Groundwater Quality

The Preferred Alternative will generate a greater volume of leachate (3% more) than the approved Expansion Landfill.



No net effects on Groundwater Quality on-site or off-site from the increased waste quantity. Hydraulic containment will be maintained as required under the Waste and Sewage ECAs.



Contaminating Lifespan (CLS) **increased by 61 years**, from 102 years for the approved Expansion Landfill to 163 years post-closure.

The contaminating lifespan (CLS) is the duration of time in the future when the leachate could no longer negatively affect surface water quality.

Mitigation:

- Continuation of leachate management practices and continued monitoring of Groundwater Quality in accordance with the Waste and Sewage ECAs.

Monitoring:

- Groundwater Quality monitoring (e.g., analytical testing for leachate and groundwater) will continue at established groundwater and leachate monitoring locations in accordance with the relevant conditions of the Waste and Sewage ECAs.
- Groundwater environmental monitoring programs will continue into the CLS of the Expansion Landfill.

Groundwater Quantity



No net effect on Groundwater Quantity and flow on-site or off-site. Hydraulic containment will be maintained as required under the Waste and Sewage ECAs.

Mitigation:

- Continuation of leachate management practices and continued monitoring of Groundwater Quality in accordance with the Waste and Sewage ECAs.

Monitoring:

- Groundwater Quantity monitoring (e.g., liquid levels for both leachate and groundwater) will continue in accordance with the relevant conditions of the Waste and Sewage ECAs.



Surface Water Quality Effects Assessment

Erosion



No net effects to Surface Water Quality on-site (prior to off-site discharge) from erosion (Total Suspended Solids [TSS] and heavy metal concentrations):

- The risk for impacts to Surface Water Quality due to erosional effects will be effectively managed through the mitigation measures.

Mitigation:

- Continue to operate and monitor Surface Water Quality in accordance with the Waste and Sewage ECAs.
- Install/maintain sediment control measures at various locations within the surface water drainage network.
- Supplement the northern component of the drainage network with erosion control measures as the landfill expands north prior to initiating the Project.
- Complete as-required sediment removal where sediment builds up in the surface water drainage network.
- Place topsoil and seed over areas of the Expansion Landfill side slopes completed with interim cover, where appropriate.
- Inspect areas of soil stockpiling for erosion and install erosion control measures where necessary.

Leachate Seeps



No net effects to Surface Water Quality on-site (prior to off-site discharge) from leachate seeps:

- No expected net effect to Surface Water Quality from leachate impacts with the implementation of a seepage monitoring and repair program.

Mitigation:

- Continue to operate and monitor Surface Water Quality in accordance with the Waste and Sewage ECAs.
- Conduct seep repairs immediately and, if possible, prior to seepage entering and/or running off landfill sideslopes and into the surface water drainage network.
- Carry out routine inspections (e.g., monthly during post-closure) of the landfill surface to provide sufficient frequency to identify and address leachate seepage.

Automobile Shredder Residue (ASR) in Roadside Ditch



No net effects to Surface Water Quality:

- No expected net effect to Surface Water Quality from ASR track out with continued mitigation.

Mitigation:

- Continue to implement a rigorous routine inspection and cleanup of ASR track out. On-site and off-site ASR cleanup efforts are completed as needed.

Monitoring:

- Routine and verification monitoring to be completed at established surface water monitoring stations for the following Surface Water Quality monitoring programs in accordance with the Waste and Sewage ECAs:
 - Compliance
 - Poplar System
 - Poplar Plantation
 - Compost and Waste Diversion Area



Surface Water Quantity Effects Assessment



Effects modelled using 100-year 4-hour Chicago Storm

Runoff Volumes and Peak Flows

No changes in **total runoff volumes** from the landfill site.

All four **Stormwater Management Ponds** have enough capacity to store the 100-year flows and do not require alteration or enlargement.

Changes in **peak flows** only predicted **at four of ten outlets**.



Net effects:

- Up to 10% increase in peak flows.
 - Outlet A: \uparrow 7%
 - Outlet B: \downarrow 4%
 - Outlet C: \downarrow 19%
 - Outlet G: \uparrow 10%

Drainage Areas

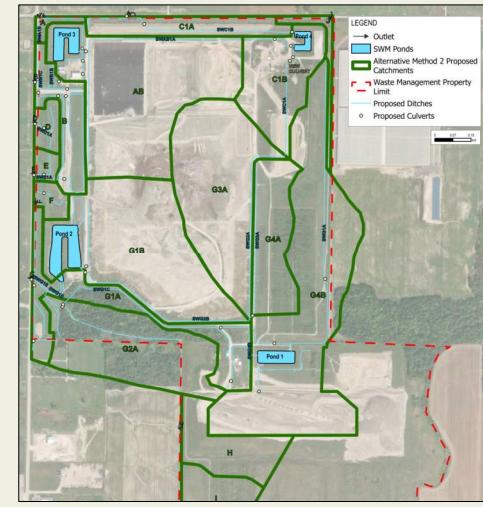
No changes in **off-site drainage areas**.

No changes to the **Stormwater Management Ponds**, existing **swales**, or **Catchments D, E, F, H, I, and J**.

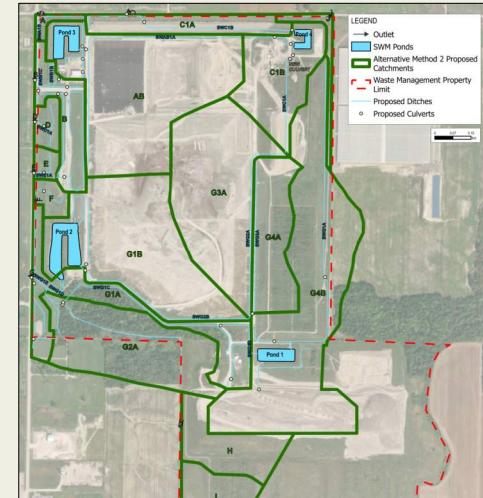


Net effects:

- Changes in catchment areas of between -22% and 34% within the landfill optimization area.
 - Catchment AB: \uparrow 3.8%
 - Catchment C1A: \uparrow 0.8%
 - Catchment C1B: \downarrow 22.4%
 - Catchment G1B: \downarrow 12.7%
 - Catchment G3A: \uparrow 34.0%
 - Catchment G4A: \uparrow 0.9%



Stormwater Management System – Approved



Stormwater Management System – Preferred Alternative

Off-site Surface Water Flows



Net effects:

- Increase in peak flows of up to 10%.
 - Outlet A: flow $< 1 \text{ m}^3/\text{s}$ \rightarrow Auld-Redmond Drain
 - Outlet B: flow $< 1 \text{ m}^3/\text{s}$ \rightarrow Gilliland-Geerts Drain
 - Outlet C: flow $< 1 \text{ m}^3/\text{s}$ \rightarrow Auld-Redmond Drain
 - Outlet G: flow $< 1.8 \text{ m}^3/\text{s}$ \rightarrow Gilliland-Geerts Drain

Monitoring:

- Annually during current site inspection program for surface water in accordance with the Waste and Sewage ECAs.



Ecological Environment Effects Assessment

Terrestrial Ecosystems



No net effects on vegetation communities and species:

- **No direct effects** as no vegetation communities (including woodlands and wetlands) or rare, threatened or endangered species were identified within the approved Expansion Landfill footprint.
- **No indirect effects** as management systems are in place for leachate, landfill gas, and stormwater.



- **No direct effects** as no wildlife habitat (including significant wildlife habitat) or rare, threatened or endangered species were identified within the approved Expansion Landfill footprint.
- **Minimal indirect effects** as continued operation of landfill will prolong the attractiveness of the area for avifaunal scavengers.

Mitigation:

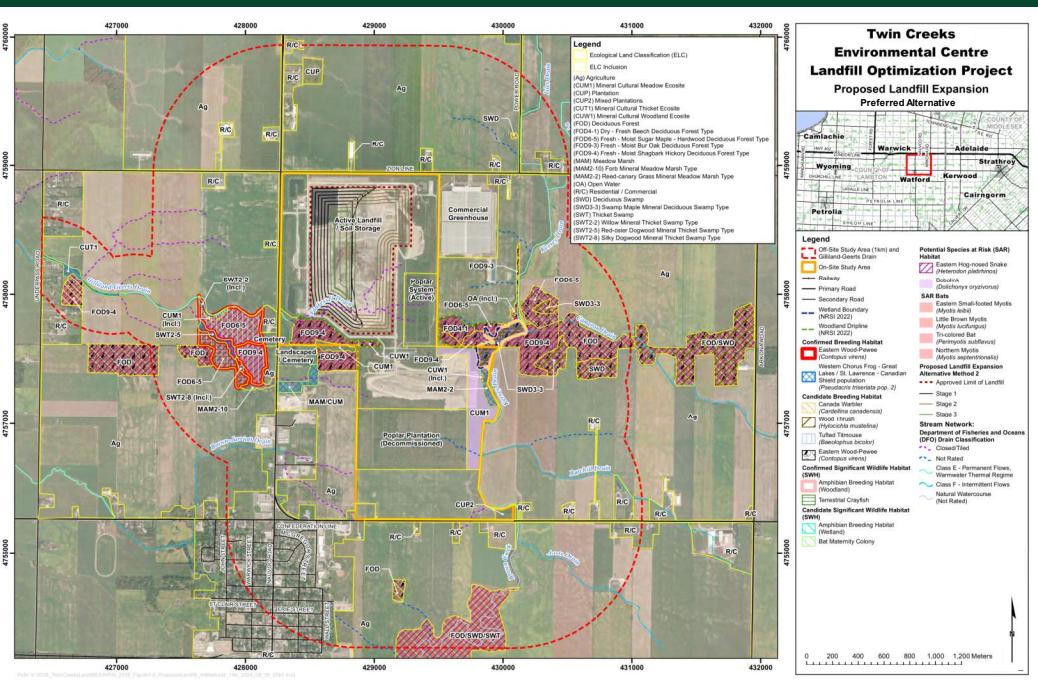
- Continued implementation of Gull Management Plan using acoustic deterrent devices and birds of prey.
- Due to adjacent Species at Risk (SAR) habitat, an Information Gathering Form (IGF) will be submitted to the MECP.

Aquatic Ecosystems



No net effects on aquatic habitat, including fish habitat:

- **No direct effects** as no aquatic habitat was identified within the approved Expansion Landfill footprint.
- **No indirect effects** as management systems are in place for leachate, landfill gas, and stormwater.



Human Health Effects Assessment

Changes from 2005 Human Health Risk Assessment (HHRA)

One new COC flagged as a potential risk based on the modelled emissions for the 2005 HHRA: The inhalation risk estimate for Hydrogen Sulphide (H₂S) increased because the regulatory value (24-hour AAQC) changed from 150 µg/m³ to 7 µg/m³.



Measured concentrations of benzene, 1,2-dichloroethane, trichloroethylene, and vinyl chloride **were greater than predicted for the Expansion Landfill** in the 2005 HHRA.

Predicted concentrations of 1,1-dichloroethane, butan-2-ol, 1,1,2-trichloroethane, 1,1,2,2-tetrachloroethane, 1,1-dichloroethylene, mercuric chloride, methyl mercury, methyl mercaptan, bromodichloromethane, octane, dimethyl sulphide, ethyl mercaptan, chloroethane, hydrogen chloride, benzo(a)pyrene, and carbon dioxide, and carbon monoxide **for the Preferred Alternative were greater than predicted for the Expansion Landfill** in the 2005 HHRA.

Particulate Matter (Dust) and Related Metals



No net effects:

- The predicted risks for all of the chemicals were orders of magnitude below the health-based benchmarks.

Mitigation:

- Mitigation measures identified for dust in the Air Quality Effects Assessment.
- Continued implementation of the Dust BMPP.

Gaseous Contaminants



Net effects:

- Risks associated with bromodichloromethane, 1,1,2,2-tetrachloroethane and vinyl chloride are anticipated to be minimal.
- No measurable long-term or short-term adverse health impacts were predicted to occur as a result of exposure to LFG combustion emissions, with the exception of worst-case H₂S concentrations due to the decreased regulatory value.

Mitigation:

- Emissions of LFG should continue to be managed by routine maintenance of the final cap and interim cover areas.

Monitoring:

- Polycyclic aromatic hydrocarbons (PAH), using benzo(a)pyrene as a surrogate, should be added to the suite of chemicals being monitored in future air quality sampling events.



Social Environment Effects Assessment

Number of Residents and Residences



No net effects:

- No changes to the number of residents or residences.

Number and Type of Local Businesses



No net effects:

- No changes to number and type of local businesses.
- No displacement of business activities.

Nuisance Effects



No net effects

from litter, noise, birds, and traffic.

Net effects:

- Potential increases in **odour**; the frequency of exceedance and the number of affected receptors will vary depending on the stage of landfill operations.
- Potential increases in **dust**; the frequency of exceedance and the number of affected receptors will vary depending on the stage of landfill operations.
- Changes to **visual landscape**: High visual effect on 23 receptors, a moderate visual effect on 52 receptors, a low visual effect on 15 receptors.

Mitigation:

- Mitigation measures identified for dust, odour, litter, and noise in the Air Quality and Noise Effects Assessments.
- Avifaunal (bird) scavengers will continue to be managed following current protocols using deterrents.
- Existing vegetated screening berms will continue to grow and increase in height.
- Continuation of Property Value Protection (PVP) plan.
- Continue to provide prompt attention to nuisance complaints to mitigate adverse effects to the surrounding community.

Use and Enjoyment of Property



Net effects:

- Minor changes to use and enjoyment of property are anticipated due to increased odour at recreational areas located south of the landfill.

Mitigation:

- Mitigation measures identified for odour in the Air Quality Effects Assessment.

Level of Satisfaction with Living/Working in the Community



Net effects:

- Minor changes in the level of satisfaction with living and working in the community due to increased odour and changes to the visual landscape.

Mitigation:

- Mitigation measures identified for odour in the Air Quality Effects Assessment.
- Existing vegetated screening berms will continue to grow and increase in height.

Confidence in TCEC Operations



No net effects: Operations will continue with no changes to operating hours, haul routes, equipment, nuisance complaint process, or regulatory reviews and inspections.



Economic Environment Effects Assessment

Employment at Site



Net effects:

- Existing **35 stable employment positions** will continue for an additional **12 years** during operation of the Preferred Alternative.

Contributions to the Host Community



Net effects:

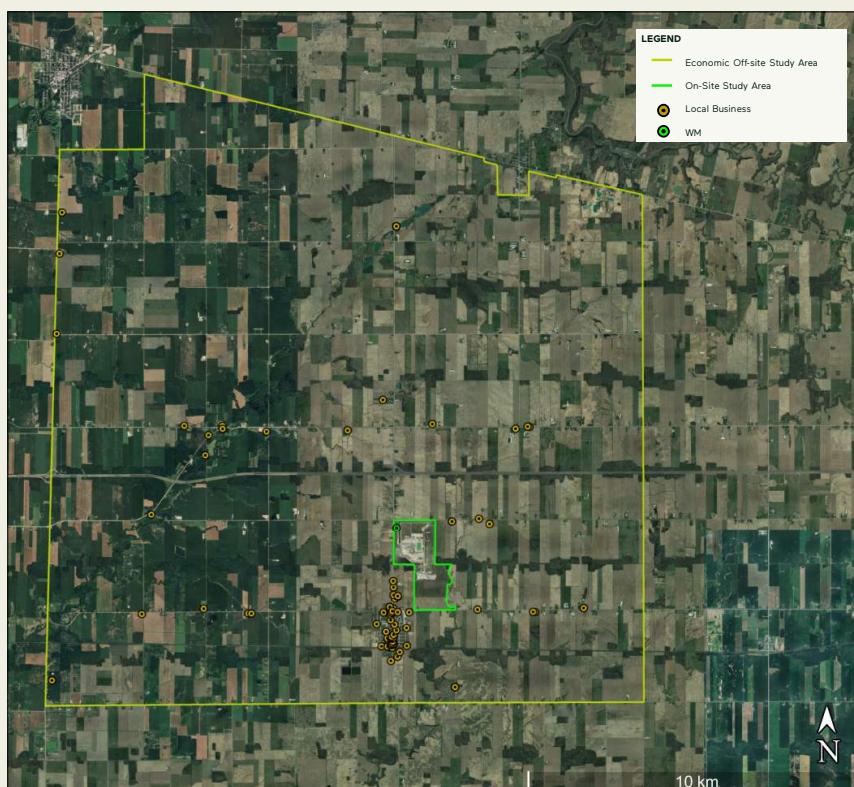
- Host community payments** for the duration of the Preferred Alternative are estimated to amount to **-\$50 million** based on the average annual contributions under the current Host Community Agreement (~\$4.1 million). The host community payments amount to ~24% of the Township's total gross annual operating budget and ~36% of the Township's total municipal revenue.
- Property tax contributions** forming at least **3.5% of the Township's property tax revenue** for the duration of the Preferred Alternative based on current tax rates.
- Continued contribution to community projects** during operation of the Preferred Alternative.

Provision and Procurement of Products and/or Services



Net effects:

- Contribution of **-\$30 million to the local economy** over the duration of the Preferred Alternative based on an annual average of \$2.5 million in local expenditures.



Visual Landscape Effects Assessment

Magnitude of Visual Change

- Visible landfill area
- Distance to the Landfill Optimization site
- Horizontal angle of view
- Visual Absorption Capacity Factor (VACF)

Combined Effect Value (CEV) = \sum 4 Factors

CEVs and Visual Effect Levels

CEV Scale	Visual Effect
13 - 20	High Effect
9 - 12	Moderate Effect
4 - 8	Low Effect
0 - 4	No Effect

1. Perceived Visible Area and Effect Levels

Perceived Area Index	Effect Level	Value
>23.0	Very high	5
18.1 - 23.0	High	4
13.1 - 18.0	Moderate	3
7.51 - 13.0	Low	2
0 - 7.5	Very low	1

2. Distance and Effect Levels

Distance in Metres	Effect Level	Value
0 - 600	Very high	5
601 - 800	High	4
801 - 1500	Moderate	3
1501 - 2200	Low	2
2201 - 3500	Very low	1

3. Horizontal Angle of View and Effect Levels

Horizontal Angle of View	Effect Level	Value
>90°	Very high	5
50° - 90°	High	4
31° - 50°	Moderate	3
16° - 30°	Low	2
0° - 15°	Very low	1

4. VACF and Effect Levels

Range	Description	Effect Level	Value
≤ 1.2	Very low VACF	Very high	5
1.21 - 2.4	Low VACF	High	4
2.41 - 3.6	Moderate VACF	Moderate	3
3.61 - 4.8	High VACF	Low	2
4.81 - 6.0	Very high VACF	Very low	1

Assessment conducted on six representative viewpoints and 121 receptors.

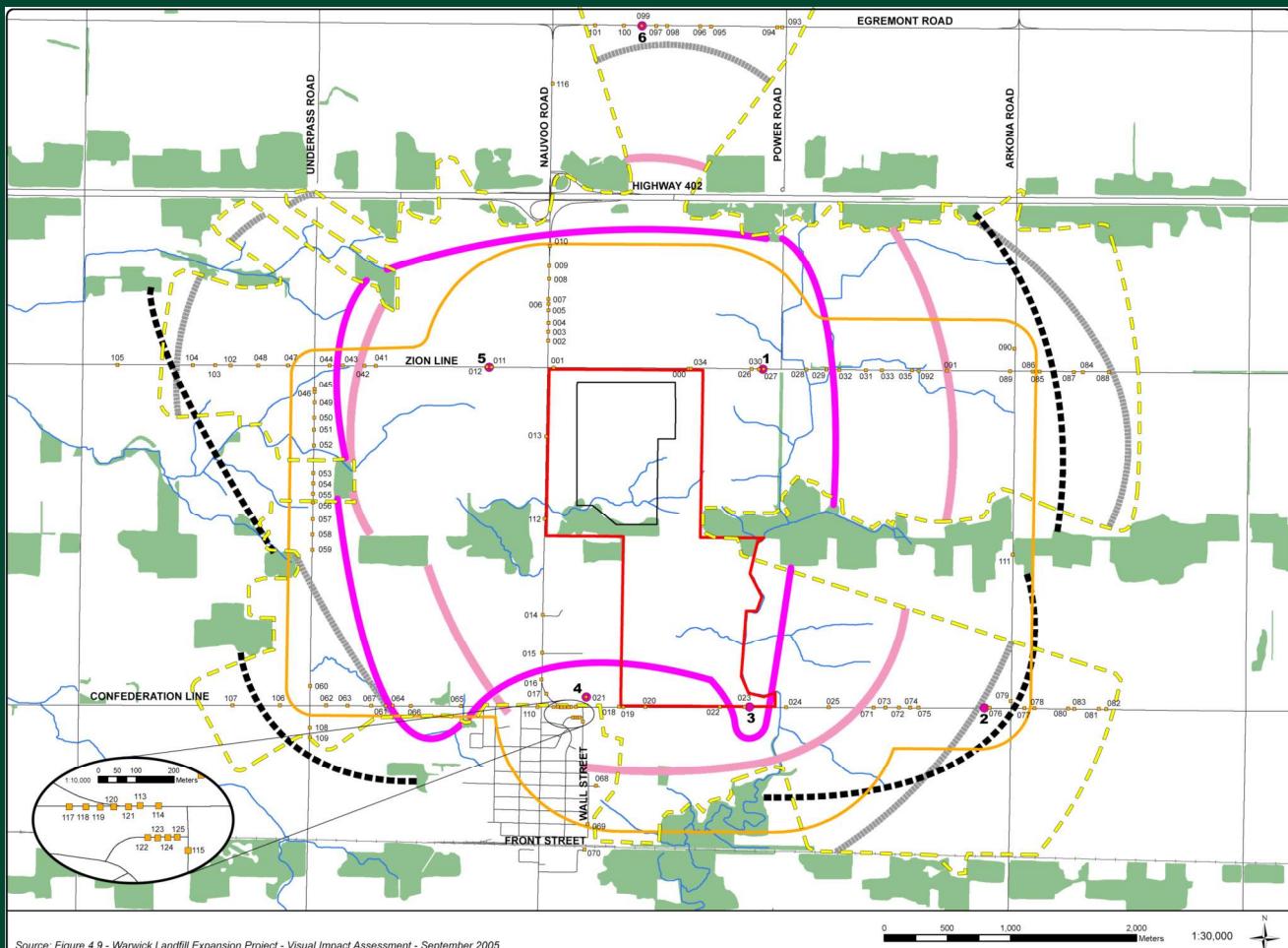
Visual Impact of the Facility

Net effects:

- Representative viewpoints: High = 1, 3, 5; Moderate = 2, 4; Low = 6
- High visual effect on 23 receptors
- Moderate visual effect on 52 receptors
- Low visual effect on 15 receptors

Mitigation:

- Existing screen plantings will increase in height and density.



Visual Effects – Preferred Alternative



Viewpoint 1
Combined Effect Value = 17; high effect.



Viewpoint 2
Combined Effect Value = 9; moderate effect.



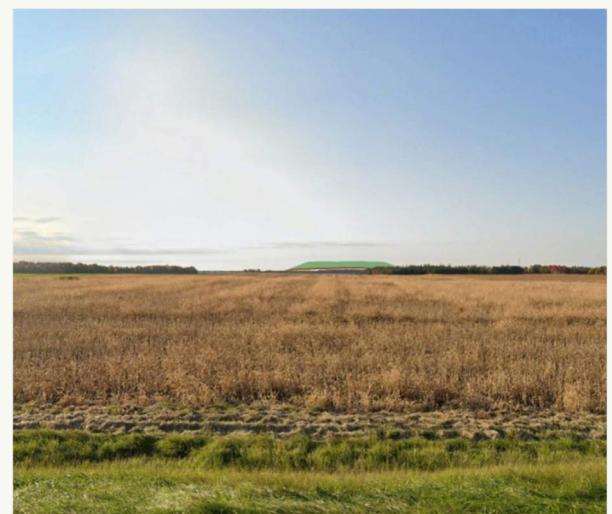
Viewpoint 3
Combined Effect Value = 14; high effect.



Viewpoint 4
Combined Effect Value = 12; moderate effect.



Viewpoint 5
Combined Effect Value = 17; high effect.



Viewpoint 6
Combined Effect Value = 8; low effect.

Cultural Heritage Resources Effects Assessment

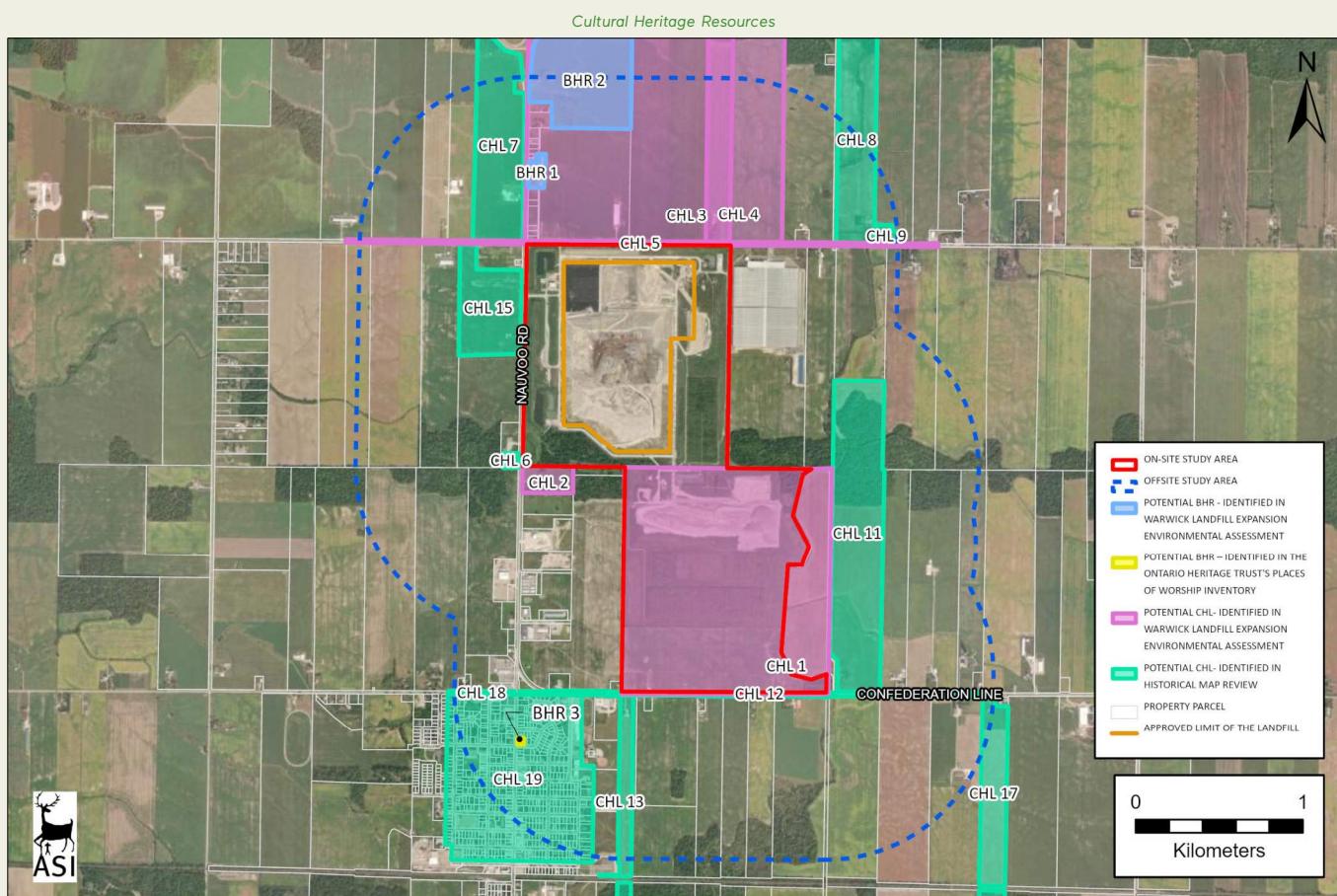
A **Built Heritage Resource (BHR)** is a building, structure, monument, installation or any manufactured or constructed part or remnant that contributes to a property's cultural heritage value or interest as identified by a community, including an Indigenous community.

A **Cultural Heritage Landscape (CHL)** is a defined geographical area that may have been modified by human activity and is identified as having cultural heritage value or interest by a community, including an Indigenous community. The area may include features such as buildings, structures, spaces, views, archaeological sites or natural elements that are valued together for their interrelationship, meaning or association.



No net effects:

- No direct or indirect effects to Built Heritage Resources (BHRs) or Cultural Heritage Landscapes (CHLs).



Archaeological Resources Effects Assessment

Archaeological Resources

No net effects:

- No potential for disturbance of unassessed or documented archaeological resources.
- No net effects on on-site Archaeological Resources and areas of archaeological potential.

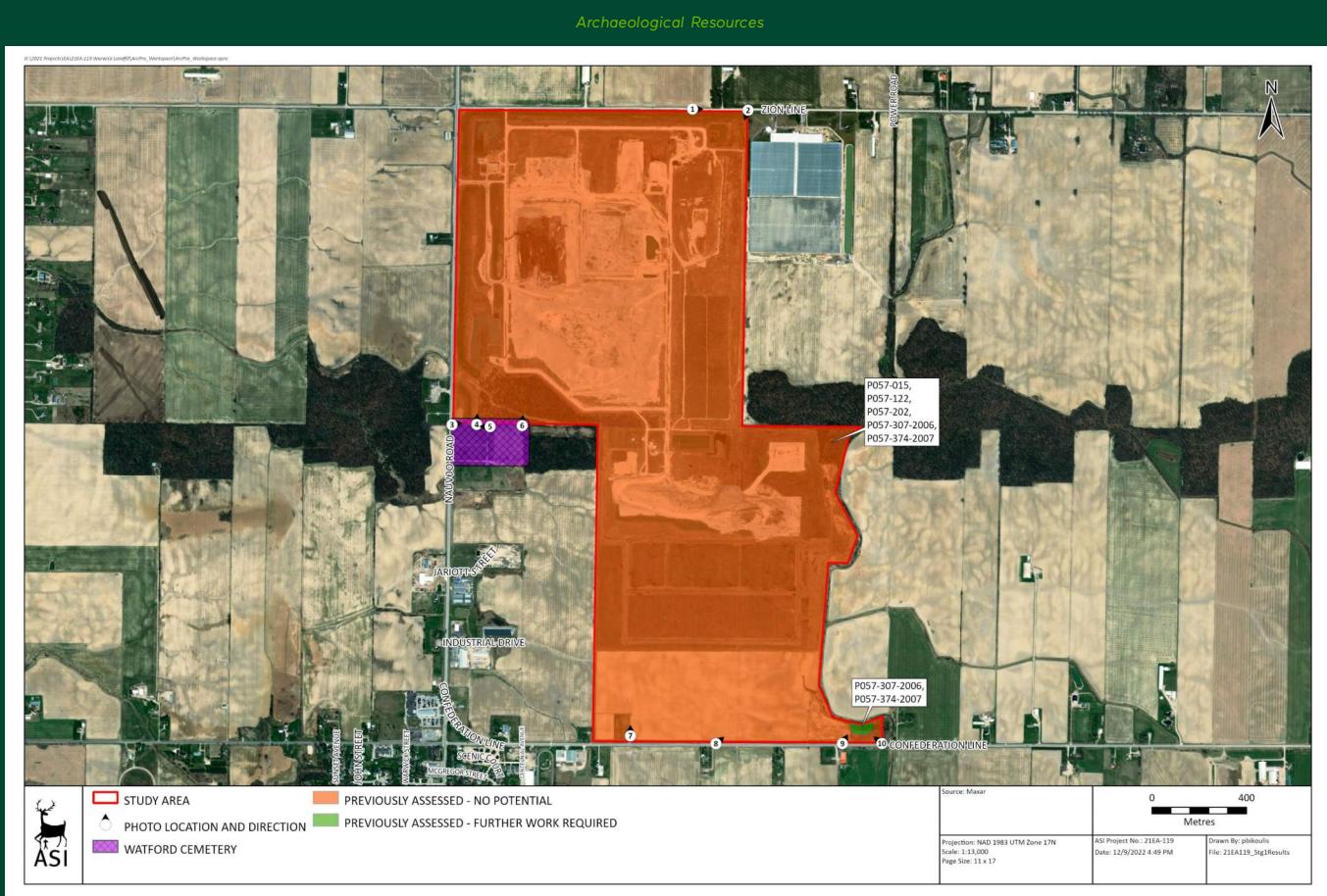
Mitigation:

- Should previously undocumented Archaeological Resources be discovered, they may represent a new archaeological site and therefore be subject to Section 48(1) of the *Ontario Heritage Act*. The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licensed consultant archaeologist to carry out an archaeological assessment, in compliance with Section 48(1) of the *Ontario Heritage Act*.

Cemetery Property

No net effects:

- No potential for the disturbance of the adjacent cemetery.



Transportation Effects Assessment

Traffic Volumes



No net effects:

- The TCEC site traffic will not change and will have no additional effect on the surrounding transportation network traffic volumes.
- The growth of traffic volumes within the Off-site Study Area is attributed to background growth and background developments.

Intersection Performance



No net effects:

- Site traffic is anticipated to have a negligible impact on queues at all Off-site Study Area intersections except at the TCEC site entrance.

Road Safety



No net effects:

- Collision rates are not expected to change as a result of the Preferred Alternative.
- No relationship was identified between site traffic and collisions occurring within the Off-site Study Area.

Sight Distance at Site Entrance



No net effects:

- The TCEC site entrance on Nauvoo Road is expected to remain unchanged from existing conditions. Sight distances at the driveway are acceptable.

TCEC Driveway at Nauvoo Road Looking North



TCEC Driveway at Nauvoo Road Looking South



Land Use Effects Assessment

Current Land Use, Planned Land Use, Off-site Recreational Resources, Sensitive Land Uses, Agricultural Land Use/Operations

No significant net effects to current land use, planned land use, off-site recreational resources, any sensitive land uses, or agricultural land use/operations:

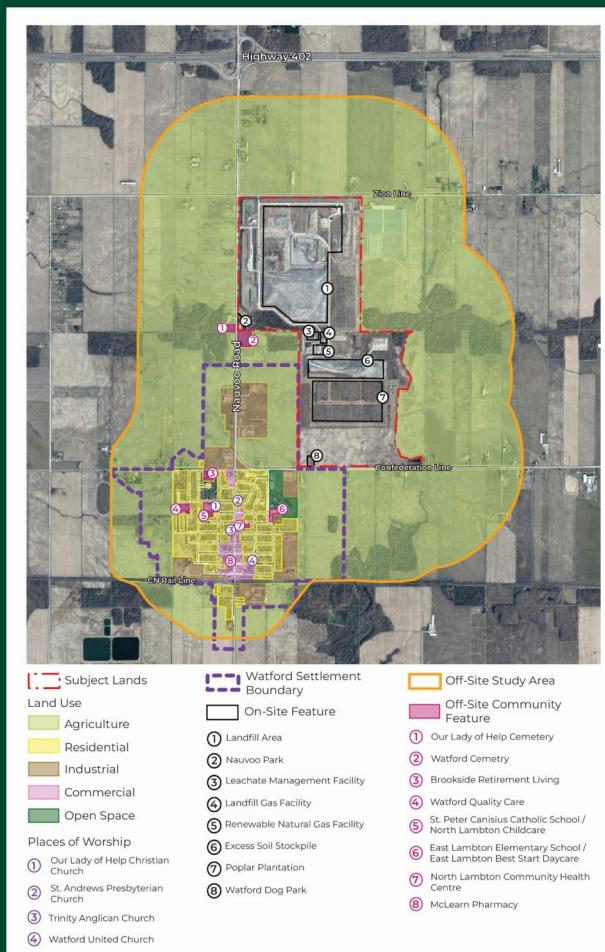
- Setback distances are maintained.
- Legally established existing land uses, existing off-site recreational resources, existing sensitive land uses, and existing agricultural land uses within 500 m of the landfill are permitted (pursuant to the Planning Act).

The Preferred Alternative will require **new planning approvals** (County and Local Official Plans, Township Zoning By-law, and Site Plan Control), and result in continued restrictions for surrounding land uses for an additional 12 years.

No net effects anticipated with respect to nuisance effects associated with the TCEC operation with employed nuisance controls.

Mitigation:

- Maintain previously approved setback and buffer distances, and existing berming.
- Continued employment or enhancement of nuisance controls by WM, related to odour, litter, dust, noise and birds on the surrounding environment.



Existing On-site and Off-site Land Uses



Solar Exposure Assessment

Computer modelling was completed to determine the potential reduction in solar energy reaching the ground in the area around the landfill for the approved Expansion Landfill and the Preferred Alternative.

Comparison between the Preferred Alternative and the approved Expansion Landfill:

- Maximum 2% to 3% reduction in solar energy on the western edge of the adjacent greenhouse on an annual basis, and < 7% on a monthly basis.
- Total solar energy loss across the entire greenhouses of < 0.09% during all months.
- No reductions in solar energy > 1% at any location beyond 250 m west of the TCEC.



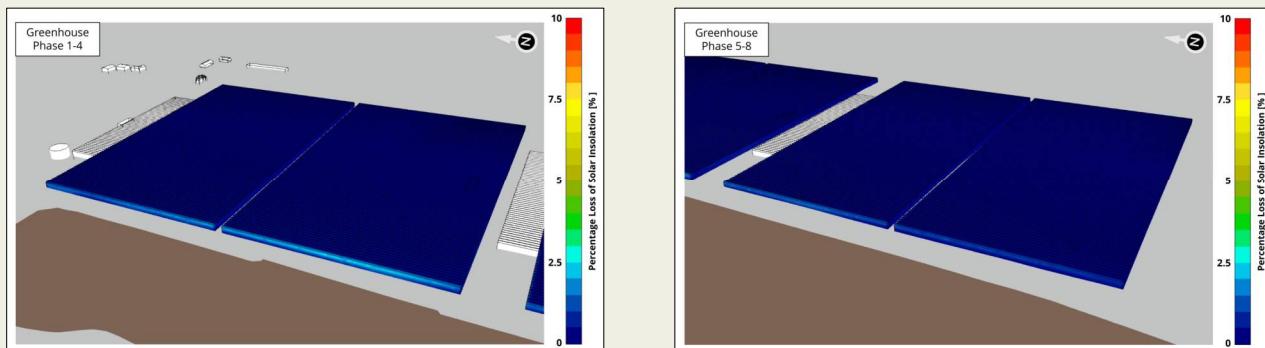
Decrease in total solar energy received over the entire **Phase 1-4 greenhouse** for the Preferred Alternative compared to the approved Expansion Landfill:

- Maximum 0.09% decrease during the colder months.
- < 0.03% decrease during the summer months.

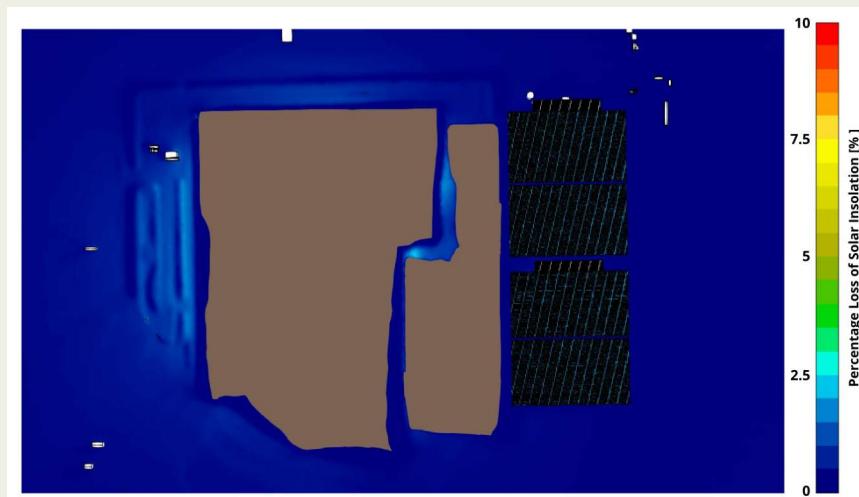
Decrease in total solar energy received over the entire **Phase 5-8 greenhouse** for the Preferred Alternative compared to the approved Expansion Landfill:

- Maximum 0.04% decrease during any month.

Average Annual Percentage Loss of Solar Insolation – Approved Expansion Landfill vs. Preferred Alternative



Average Annual Percentage Loss of Solar Insolation – Approved Expansion Landfill vs. Preferred Alternative – At Grade



Climate Change Effects Assessment

Effect of Preferred Alternative on Climate Change



No significant net effect:

- GHG emissions of ~584,777 tonnes CO₂e per year.
- GHG emissions of ~330,830 tonnes CO₂e per year (excluding CO₂ from biomass).
- Reduction of 43,317 tonnes CO₂e per year (excluding biomass) compared to approved Expansion Landfill.

Comparison of GHG emissions – Approved Expansion Landfill vs. Preferred Alternative

Source	Approved Expansion Landfill Peak Year Emissions (2031)	Preferred Alternative Peak Year Emissions (2042)	Change
TCEC Landfill GHG Emissions	374,147 (t/year CO ₂ e)	330,830 (t/year CO ₂ e)	-43,317 (t/year CO ₂ e)
GHG avoided through LFG use and RNG Facility	84,129 (t/year CO ₂ e)	90,446 (t/year CO ₂ e)	6,317 (t/year CO ₂ e)
Percentage of Ontario Total GHG Emissions	0.238%	0.210%	-0.0280%
Percentage of Canada Total GHG Emissions	0.052%	0.046%	-0.006%
Ontario GHG Emissions	157,200 (kt/year CO ₂ e)		—
Canada GHG Emissions	719,400 (kt/year CO ₂ e)		—

Effect of Climate Change on the Preferred Alternative

The current BMPPs for Dust, Odour, and Litter include processes for monitoring, maintenance, and response that can address the potential risks from climate change on **air quality** such as increased temperatures and higher wind speeds.

In terms of **surface water quantity**, increasing the intensity and frequency of storms will cause larger peak flows; however, the existing ponds and swales of the stormwater management system have sufficient capacity to manage the runoff under these storms.

For **surface water quality**, the implementation and maintenance of sediment control measures may need to adapt to changing climate conditions to control TSS concentrations associated with erosional effects. Surface water quality events and monthly inspections will continue to be valuable to assess for leachate seeps after rainfall events at an on-going regular frequency. Changes to the surface water quality monitoring programs may be required to adapt to changing climatic conditions.

No significant impacts to **groundwater quantity** or **groundwater quality** are expected from the increase in intense inclement weather. Changes to the groundwater monitoring programs may be required to adapt to changing climatic conditions.

Geotechnical Feasibility

Background:

- A **geotechnical feasibility study** of potential vertical expansion **alternative methods** was completed during the Terms of Reference (ToR) process.
- A commitment was made in the ToR to determine the need for a more detailed geotechnical assessment of the Preferred Alternative in the EA.
- Questions were received during consultation regarding geotechnical issues related to:
 - settlement of the landfill base; and
 - stability of the landfill side slopes.

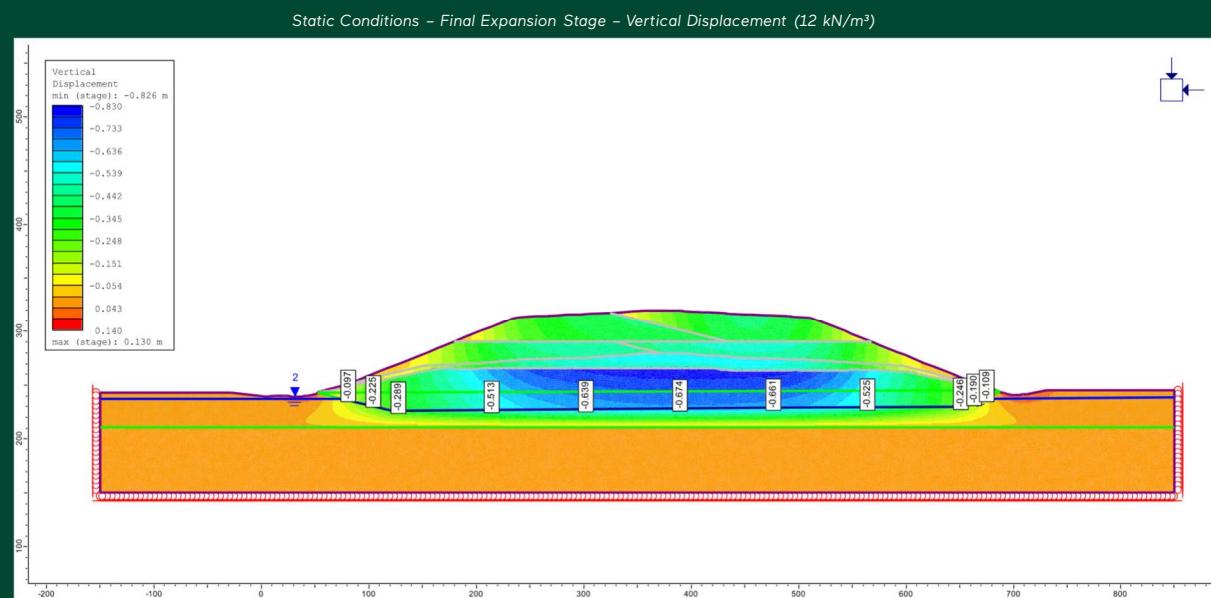
An additional **geotechnical feasibility study** was conducted for the **Preferred Alternative**.

- 1) A **settlement analysis** was conducted to assess if the landfill base grades would meet the 0.5% minimum grade design toward the leachate collection system under the increased waste loading.

The analysis concluded that cell floor **settlement will not have a significant effect on functionality of the leachate collection systems**. Overall slope in a westerly direction will be maintained, and leachate will continue to drain toward the designated withdrawal points.

- 2) A **stability analysis** was conducted to determine the safety factor associated with increasing the side slopes from 4H:1V to 2.5H:1V.

The static safety factors and seismic safety factors are considered **acceptable and comparable to typical target values**.



Advantages/Disadvantages of the Preferred Alternative

Advantages

- WM will be able to **continue to provide disposal services** to its customers and fulfill long-term contractual commitments within Ontario.
- **Cumulative noise levels** for some areas of the Preferred Alternative will be **equal** to the 'Do Nothing' Alternative so the dominant noise source will be background traffic.
- **Off-site haul route noise** is generally rated as 'insignificant' (**< 3 dB difference**) compared to the 'Do Nothing' Alternative.
- The **peak storage** used for SWM Ponds 2 and 4 is **slightly lower** than for the 'Do Nothing' Alternative.
- **2% reduction in peak flows** leaving the site compared to the 'Do Nothing' Alternative.
- **No changes to local businesses** for an additional 12 years.
- **16 fewer 'high' effect visual receptors** overall compared to the 'Do Nothing' Alternative.
- Continuation of **35 stable employment positions** for an additional 12 years.
- Continued **host community payments**, which make up approximately 24% of the Township's total gross annual operating budget and an approximately 36% of the Township's total municipal revenue, for an additional 12 years, amounting to **-\$50 million**.
- Continued **property tax contributions** of at least 3.5% of the Township's property tax revenue for an additional 12 years.
- Continued **contributions to community projects** for an additional 12 years.
- **Local economic contributions of -\$30 million** over 12 years.
- **No need to accommodate future waste at another existing landfill or a new landfill** elsewhere.
- **Increased quantity of LFG available for use as a source of RNG** as an alternative to fossil fuels.

Disadvantages

- Predicted **concentrations of dust contaminants** at discrete receptors, the **frequency** of predicted exceedances, and the **number of receptors** experiencing exceedances will be **higher** for the Preferred Alternative than for the 'Do Nothing' Alternative.
- **Higher potential for blowing litter** than the 'Do Nothing' Alternative.
- Predicted **odour concentrations**, the **frequency** of predicted exceedances, and the **number of receptors** experiencing exceedances will be higher than for the 'Do Nothing' Alternative.
- Continued **noise** due to landfilling activities.
- **Extended Contaminating Lifespan (CLS) by 61 years** relative to the 'Do Nothing' Alternative.
- Prolonged attractiveness of the landfill to **avifauna scavengers** and **delay the time for the naturalization** of the land above the landfill.
- Continued **nuisance effects** for an additional 12 years;
- Minor changes to the **use and enjoyment of property** due to increased odour at recreational areas located south of the landfill.
- Minor changes in the **level of satisfaction** with living and working in the community due to increased odour and changes to the visual landscape.
- **Increase of 15 'moderate' visual effect receptors**.
- Continued **site traffic** for an additional 12 years.
- **New planning approvals** required (County and Local Official Plans, Township Zoning By-law, and Site Plan Control), and result in continued **restrictions for surrounding land uses** for an additional 12 years.



Overview of Draft Environmental Assessment Study Report

The EA Study Report comprises the following chapters, appendices, and technical reports/reference documents for addressing the requirements set out in the approved Terms of Reference:

EA Study Report Sections	
Section 1	Introduction Provides an introduction to and background information regarding the TCEC, the undertaking, the proponent (WM), and the EA.
Section 2	Overview of the EA Process and Study Organization Describes the process used to carry out the EA, the Ontario Environmental Assessment Act (OEAA) requirements, and provides an overview of the organization of the EA Study Report
Section 3	Overview of the Undertaking Identifies the purpose of and rationale for the undertaking, including the Preferred Alternative to the undertaking.
Section 4	Description of the Environment Potentially Affected by the Undertaking Provides an overview of the existing environmental conditions in both the On-site Study Area and Off-site Study Areas.
Section 5	Alternative Methods of Carrying Out the Undertaking Identifies and describes the Alternative Methods for carrying out the undertaking.
Section 6	Net Effects of the Alternative Methods Identifies and describes the net effects for the Alternative Methods for each environmental component.
Section 7	Comparative Evaluation of Net Effects and Identification of the Preferred Alternative Provides the comparative evaluation of the Alternative Methods and identifies the Preferred Alternative.
Section 8	Net Effects Assessment of the Preferred Alternative Presents an assessment of the effects of the Preferred Alternative and a description of any potential cumulative effects. Climate change considerations for the Preferred Alternative are discussed, and the advantages and disadvantages of the Preferred Alternative are identified.
Section 9	Consultation and Engagement Provides an overview of the consultation and engagement process and a summary of consultation and engagement activities undertaken.
Section 10	Monitoring and Commitments for the Undertaking Describes the commitments as well as the monitoring strategy and schedules for the Preferred Alternative.
Section 11	Approvals Outlines the anticipated approvals required for implementing the preferred undertaking.
Section 12	References Provides the references used in the EA Study Report.

EA Study Report Appendices	
Appendix A	Approved Terms of Reference
Appendix B	Terms of Reference Commitments Table

Supporting Documents	
Supporting Document 1	Existing Conditions Reports
Supporting Document 2	Conceptual Design Report
Supporting Document 3	Effects Assessment Reports
Supporting Document 4	Record of Consultation and Engagement
Supporting Document 5	Geotechnical Feasibility Review for the Preferred Alternative
Supporting Document 6	Solar Exposure Assessment

Next Steps

- Information received through this Public Information Session and other comments received will be considered in the EA.
- **The Draft Environmental Assessment Study Report will be available on the Project website for review from November 19, 2025 through January 30, 2026.**
- Input received on the Draft Environmental Assessment Study Report will be considered in the preparation of the Final Environmental Assessment Study Report



<https://www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project>

If you would like to be added to the project mailing list or have project-related questions, please contact:

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Thank you for your attendance and comments on the Project.



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Public Comment Form

Public Information Session 4

November 19th, 2025, 4-8 PM

Comment Form

Name: _____

Address: _____

Phone #: _____

Email: _____

1. My **interest** in the project is: (please check all that apply)

<input type="checkbox"/> residential property	<input type="checkbox"/> air quality (dust, noise, odour)
<input type="checkbox"/> business	<input type="checkbox"/> ecology (plants, wildlife)
<input type="checkbox"/> member of interest group	<input type="checkbox"/> groundwater / surface water
<input type="checkbox"/> agency representation	<input type="checkbox"/> land use / visual
<input type="checkbox"/> other:	<input type="checkbox"/> transportation

2. Please provide any **general comments** about the information presented at this Public Information Session.3. After reviewing the information presented, do you have any comments or questions regarding the **conceptual design of the Preferred Alternative for the vertical expansion?**

Yes No



4. Do you have any specific comments or questions about the **effects assessment of the Preferred Alternative?**

Yes No

5. Do you have any specific comments or questions about the **advantages and disadvantages of the Preferred Alternative?**

Yes No

6. Do you have any specific comments or questions about the **Draft Environmental Assessment Study Report?**

Yes No

Thank you for taking the time to provide us with your comments.
Please remember to put your comments in the Comment Box before you leave.

If you do not have time to submit your comment sheet today, please scan and email or mail your comments by **December 5, 2025** to:

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