



Record of Consultation and Engagement

Twin Creeks Environmental Centre Landfill
Optimization Project Environmental Assessment

WM Canada

Watford, Ontario

June 2026

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Acronyms, Units and Glossary

Acronyms

Acronym	Definition
AA	Archaeological Assessment
ASI	Archaeological Services Inc.
CKSPFN	Chippewas of Kettle and Stony Point First Nation
COTTFN	Chippewas of the Thames First Nation
DNM	Delaware Nation at Moraviantown
EA	Environmental Assessment
EAA	<i>Environmental Assessment Act</i>
EAR	Effects Assessment Report
ECR	Existing Conditions Report
FN	First Nation
GRT	Government Review Team
HDR	HDR Corporation
MECP	Ministry of the Environment, Conservation and Parks
MDN	Munsee Delaware Nation
MNO	Métis Nation of Ontario
MNRF	Ministry of Natural Resources and Forestry
NOC	Notice of Commencement
ONOTT	Oneida Nation of the Thames
PIS	Public Information Session
PRT	Peer Review Team
RNG	Renewable Natural Gas
TCEC	Twin Creeks Environmental Centre
ToR	Terms of Reference
WIFN	Walpole Island First Nation
WM	WM Canada
WPLC	Warwick Public Liaison Committee

Units

Unit	Definition
ha	hectare
km	kilometre

Units

Unit	Definition
m	metre
m ³	cubic metre

Glossary

Term	Definition
Approval	Permission granted by an authorized individual or organization for a project to proceed. This may be in the form of program approval, certificate of approval or provisional certificate of approval.
Capacity (Disposal Volume)	The total volume of air space available for disposal of waste at a landfill site for a particular design (typically in m ³); includes both waste and daily cover materials, but excludes the final cover.
Environment	As defined by the <i>Environmental Assessment Act</i> , environment means: • air, land or water; • plant and animal life, including human life; • the social, economic and cultural conditions that influence the life of humans or a community; • any building, structure, machine or other device or thing made by humans; • any solid, liquid, gas, odour, heat, sound, vibration or radiation resulting directly or indirectly from human activities; or • any part or combination of the foregoing and the interrelationships between any two or more of them (ecosystem approach).
Environmental Assessment (EA)	A systematic planning process that is conducted in accordance with applicable laws or regulations aimed at assessing the effects of a proposed project on the environment.
Evaluation criteria	Evaluation criteria are considerations or factors taken into account in assessing the advantages and disadvantages of various alternatives being considered.
Landfill gas (LFG)	The gases produced from the wastes disposed in a landfill; the main constituents are typically carbon dioxide and methane, with small amounts of other organic and odour-causing compounds.
Landfill site	An approved engineered site/facility used for the final disposal of waste. Landfills are waste disposal sites where waste is spread in layers, compacted to the smallest practical volume, and typically covered by soil.
Leachate	Liquid that drains from solid waste in a landfill and which contains dissolved, suspended and/or microbial contaminants from the breakdown of this waste.
Project	Is defined in the <i>Environmental Assessment Act</i> as: one or more enterprises or activities or a proposal, plan or program in respect of an enterprise or activity.
Terms of Reference (ToR)	A terms of reference is a document that sets out detailed requirements for the preparation of an Environmental Assessment.
Waste	Refuse from places of human or animal habitation; unwanted materials left over from a manufacturing process.

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1 Introduction

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 *Environmental Assessment Act (EAA)* of the WM TCEC Landfill Optimization Project (the Project). WM is 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 identify a preferred method for optimizing the landfill and to assess the potential effects of the Project on the environment.

There are approximately 5 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 hectare (ha) TCEC site area. No changes are proposed to the size of the TCEC site area, approved service area, or annual fill rate.

This Record of Consultation and Engagement documents the consultation and engagement completed throughout the EA process for the TCEC Landfill Optimization Project. This Record of Consultation and Engagement was prepared in accordance with the objectives of the Consultation and Engagement Plan that was prepared during the Terms of Reference (ToR) stage of the EA and the Ministry of the Environment, Conservation and Parks (MECP) Codes of Practice for Consultation on Ontario's Environmental Assessment Process (January 2014) and Preparing and Reviewing Environmental Assessments in Ontario (January 2014). This document provides a record of all consultation and engagement activities undertaken during the EA process including consultation and engagement with Indigenous communities, government and municipal agencies, and the public.

2 Codes of Practice and Consultation Principles

The MECP has produced Code of Practice documents for use when preparing various EA documents. The TCEC Landfill Optimization Project EA, including the consultation and engagement plan, was prepared using the Code of Practice Preparing and Reviewing Environmental Assessments in Ontario (January 2014). The Code of Practice documents outline aspects of consultation and engagement that must be adhered to during the preparation of an EA.

The following components of the Codes of Practice were included in the consultation and engagement activities undertaken during development of the EA:

- Provided opportunities for participation to potentially-affected or interested parties that were reasonable and meaningful;
- Considered input received during the consultation and engagement process by addressing comments and concerns;
- Used a variety of consultation and engagement methods including Public Information Sessions (PIS), presentations, direct mail/email, Project website and Warwick Public Liaison Committee (WPLC), etc.;
- Consulted and engaged with government reviewers, Indigenous communities and organizations, and any other interested persons;
- Prepared this Record of Consultation and Engagement describing the various activities carried out during the development of the Draft EA Study Report, which is included as a Supporting Document to the Draft EA Study Report;
- Considered the details of the Project and the potential level of concern and interest in the community;
- Provided the mandatory notifications, including the Notice of Commencement of EA (NOC), Notice of Public Information Sessions (PIS), Notice of Draft Reports for Review (including the EA Study Report), and Notice of Submission; and
- Integrated the input from the consultation and engagement into comment and response tables included in this Record of Consultation and Engagement.

The approach to consultation during the development of the EA was intended to be proactive, open, inclusive, flexible, and transparent.

The following principles, established in the Consultation and Engagement Plan for the EA in the approved ToR, guided the consultation and engagement carried out during the preparation of the EA:

- Engage residents and neighbours within proximity of the proposed Project, Indigenous communities, and other participants from the beginning of the process through the use of a variety of consultation and engagement events and activities and to establish that there were adequate opportunities to provide input, feedback, and comments concerning the EA Project and process, and that these comments are considered by the Project team;
- Engage local elected officials in the development of the EA, and to confirm that they were provided with regular and timely information concerning the EA development process;
- Engage Indigenous communities and groups in a manner consistent with any requests that might be received from each community, including providing any specific engagement activities, such as meetings, at the request of the community.

- Ensure that the consultation and engagement process is open, transparent, and inclusive; and
- Document all issues and concerns identified by the public, Indigenous communities and groups, agencies, and other participants.

Comments and issues raised were documented along with how they have been considered during the development of the EA.

3 Participants in the EA Process

Interested participants included review agencies, Indigenous communities and groups, and the public (see Section 3.0 of the Code of Practice Consultation in Ontario's Environmental Assessment Process). Participants were engaged through several consultation and engagement activities held during the preparation of the EA. The activities carried out with review agencies, Indigenous communities and groups, and the public are summarized in **Section 4** of this Record of Consultation and Engagement.

Comments received during the preparation of the EA along with how they have been considered are summarized in **Section 6**.

A list of participants (i.e., the participant contact list) for the EA was prepared based on the consultation and engagement process completed during the ToR. The list of participants was updated throughout the EA process, including the addition, modification, and removal of participants as required and when requested. A copy of the complete list of participants is included in **Appendix A**. The following groups were included in the list:

- Government Review Team (GRT), which includes governmental departments, ministries, and agencies with an interest in the Project, as well as municipal agencies and organizations such as the Township of Warwick and County of Lambton;
- Indigenous communities and groups in the vicinity of the TCEC or with an interest in the Project;
- the general public, including residents, landowners, business owners, and other participants with an interest in the outcome of the EA.

The GRT, Indigenous communities and groups, and the public having a potential interest in the Project were identified as part of the Notice of Commencement of the ToR. GRT members include federal, provincial, and municipal agencies. Local residents within the vicinity of the TCEC, and neighbouring property owners were contacted. Additional members of the public were added to the participants list during the preparation of the EA upon request. Members of the WPLC were also included on the participants list.

Indigenous communities and groups were contacted during the development of the ToR. The MECP formally delegated the procedural aspects of the Crown's duty to consult Indigenous communities to WM during the ToR process, and provided WM with a list of communities that may be affected by, or have an interest in, the Project (rights-based and interest-based communities, respectively). The MECP identified that the following communities be consulted:

- Aamjiwnaang First Nation;
- Chippewas of Kettle and Stony Point First Nation;
- Chippewas of the Thames First Nation;
- Oneida Nation of the Thames; and
- Walpole Island First Nation – Bkejwanong Territory.
- Caldwell First Nation;
- Delaware Nation at Moraviantown;
- Métis Nation of Ontario; and
- Munsee Delaware Nation.

Engagement with Indigenous communities is summarized in **Section 5.6**.

4 Consultation and Engagement Activities during the EA Process

The following consultation activities have taken place with the above parties during the EA process to-date:

- Distribution of Notices (NOC, PIS 2, PIS 3, PIS 4);
- Four Public Information Sessions;
 - PIS 1: April 19, 2023;
 - PIS 2: November 29 and December 5, 2023;
 - PIS 3: November 27, 2024; and
 - PIS 4: November 19, 2025.
- Review of Draft Existing Conditions Reports, Draft Effects Assessment Reports, and the Draft EA Study Report by Agencies, Indigenous communities and groups, and members of the public;
- Project website, email, and telephone numbers;
- Consultation with Agencies and organizations;

- Engagement with Indigenous communities and groups including Community Information Sessions;
- Municipal Council meetings;
- WPLC meetings;
- Site Tours;
- Phone calls; and
- Media publications regarding the Project.

These activities are described in **Section 5**.

5 Record of Consultation and Engagement

5.1 Structure of the Record of Consultation and Engagement

Table 5-1 provides the organization of the Record of Consultation and Engagement.

Table 5-1. Structure of the Record of Consultation and Engagement

Consultation and Engagement Activity	Location
Participant Contact List	Section 5.2, Appendix A
Project Notices	Section 5.3, Appendix B
Project Website, Email and Telephone Number	Section 5.4
Public Information Sessions	Section 5.5, Appendix C
Indigenous Community Engagement and Communications	Section 5.6, Appendix D
Agency Consultation and Communications	Section 5.7, Appendix E
Public Consultation and Communications	Section 5.8, Appendix F
WPLC Meeting Minutes	Section 5.8.1, Appendix G
Media Publications	Section 5.9, Appendix I
Review of Draft Existing Conditions and Effects Assessment Reports	Section 5.10
Review of Draft EA Study Report	Section 5.11
Comment Response Tables	Section 6, Appendix H

5.2 Participant Contact Lists

Section 3 above provides a description of the participants in the EA process. In addition, **Appendix A** includes the participant contact list for the EA, which includes the GRT, municipal agencies, Indigenous communities and groups, the WPLC, and members of the public.

5.3 Project Notices

At key stages of the EA Process, notices were distributed to the participant groups, via mail, email and newspaper advertisements. **Table 5-2** highlights the type of notice and its method and dates of publication.

Agencies, Indigenous communities and groups, and members of the public, including neighbouring property owners, were notified of: the commencement of the EA; PISs; posting of PIS panels; availability of the Draft Existing Conditions Reports (ECRs), Draft Effects Assessment Reports (EARs), and Draft EA Study Report for review; and the EA submission.

Table 5-2. Project Notice Distribution and Publication Dates

Notice	Date of Mail/Electronic Delivery of Letters	Date of Publication in Local Newspapers	Date of Posting to Project Website
Notice of Commencement of Environmental Assessment and Public Information Session 1	Mail: April 4, 2023 Email: April 5, 2023	The Sarnia Observer on April 4 and 13, 2023 The Independent of Petrolia and Central Lambton on April 6, 2023 Sarnia This Week on April 13, 2023	April 5, 2023
Notice of Public Information Session 2 ¹	Mail: November 15, 2023 Email: November 16, 2023	The Sarnia Observer, The Independent of Petrolia and Central Lambton, and Sarnia This Week on November 16 and 23, 2023	November 15, 2023
Notice of Public Information Session 3 ²	Mail: November 13, 2024 Email: November 14, 2024	The Sarnia Observer, The Independent of Petrolia and Central Lambton, and Sarnia This Week on November 14 and 21, 2024	November 15, 2024
Notice of Public Information Session 4 ³	Mail: October 31, 2025 Email: November 5, 2025	The Sarnia Observer, The Independent of Petrolia and Central Lambton and Sarnia This Week on November 6 and 13, 2025	November 11, 2025
Notice of Submission of EA	Mail: June 19, 2026 Email: June 24, 2026	The Sarnia Observer and The Independent of Petrolia and Central Lambton on June 25, 2026 ⁴	June 25, 2026

Notes:

¹ Notice of the availability of the Draft Existing Conditions Reports for review was provided to the Participant Contact List via email following PIS2 (see **Section 5.10.1**).

² Included notice of the availability of the Draft Effects Assessment Report for review.

³ Included notice of the availability of the Draft EA Study Report for review.

⁴ Sarnia This Week ceased publication in Q1 2026.

A copy of the Notices is provided in **Appendix B**. Copies of the Notice distribution emails to Indigenous communities, Agencies, and the Public are provided in **Appendices D, E, and F**, respectively.

5.4 Project Website, Email, and Telephone Number

A Project specific website (<https://www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project>) was launched as part of the commencement of the ToR and was maintained during the EA process. The website was established to provide clear and accurate information to participants as well as opportunities for participants to give feedback to WM. The website was updated regularly and includes up-to-date information about the Project, notices of upcoming events, and a summary of previous consultation and engagement events. In addition, the Draft ECRs, Draft EARs, PIS Summary Reports, and Draft and Final EA Study Reports were posted on the website. Materials and notices will continue to be added to the website as the Project progresses.

All notifications and Project materials identify the email address and telephone number for the WM contact person:

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

5.5 Public Information Sessions

Four PISs were held during the EA process. A Summary Report was prepared for each PIS, documenting the materials and content presented. **Table 5-3** provides an overview of each of the events. The PIS Summary Reports are provided in **Appendix C**.

Table 5-3. Summary of Public Information Sessions for the EA

Event	Date and Location and Time	Attendance	Information Presented
Public Information Session 1	April 19, 2023 WM Twin Creeks Site Office (5768 Nauvoo Road, Watford, ON) 4:00 p.m. to 8:00 p.m.	• 26 people • 5 WM staff and 1 consulting staff member	• Background information on the TCEC • An overview of the TCEC Landfill Optimization Project • The need for the Project • Alternatives to the Project that were considered • An overview of the EA process • The general study areas for the EA • Planned consultation and engagement activities • Ways that people can participate in the EA • Next steps for the EA and Project staff contact information.

Event	Date and Location and Time	Attendance	Information Presented
Public Information Session 2	November 29 and December 5, 2023 WM Twin Creeks Site Office (5768 Nauvoo Road, Watford, ON) 4:00 p.m. to 8:00 p.m.	22 people (18 people on November 29, and 4 people on December 5) 8 WM staff and 14 consulting staff	- An overview of the TCEC site and the Landfill Optimization Project - An update on the EA - The three representative Alternative Methods that were developed - A summary of the screening of the representative Alternative Methods - The approved Evaluation Criteria to be used in the EA - A summary of Existing Conditions for each of the Environmental Components and Evaluation Criteria - Consultation and engagement opportunities - Ways that people can participate in the EA - Next steps for the EA and Project staff contact information.
Public Information Session 3	November 27, 2024 East Lambton Community Complex (61 Centennial Avenue, Watford, ON) 4:00 p.m. to 8:00 p.m.	35 people 8 WM staff and 13 consulting staff	- An overview of the TCEC site and the Landfill Optimization Project - An update on the EA - The three representative Alternative Methods that were developed - A summary of the Draft EARs - A summary of the comparative evaluation of the Alternative Methods to identify a Preferred Alternative - Consultation and engagement opportunities - Ways that people can participate in the EA - Next steps for the EA and Project staff contact information.
Public Information Session 4	November 19, 2025 East Lambton Community Complex (61 Centennial Avenue, Watford, ON) 4:00 p.m. to 8:00 p.m.	54 people 9 WM staff and 15 consulting staff	- 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 and - Next steps for the EA and Project staff contact information.

5.6 Indigenous Community Engagement and Communications

WM is committed to engagement with potentially affected Indigenous groups and communities during the EA process. The list of potentially-affected and interested Indigenous communities and groups was developed in consultation with the MECP.

As noted in **Section 3**, the MECP identified nine (9) Indigenous communities and groups for engagement:

- Aamjiwnaang First Nation;
- Chippewas of Kettle and Stony Point First Nation;
- Chippewas of the Thames First Nation;
- Oneida Nation of the Thames;
- Walpole Island First Nation – Bkejwanong Territory;
- Caldwell First Nation;
- Delaware Nation at Moraviantown;
- Métis Nation of Ontario; and
- Munsee Delaware Nation.

These Indigenous communities and groups were provided Notices and meeting materials via hard copy mail (Canada Post Xpresspost) and electronic mail. Caldwell First Nation, Chippewas of the Thames First Nation, and Chippewas of Kettle and Stony Point First Nation (after February 1, 2025) were notified through their individual community consultation protocols rather than hard-copy mail. All Indigenous engagement documents including Project notices, meeting materials, comments and written correspondence are included in **Appendix D**.

5.6.1 Aamjiwnaang First Nation

A summary of engagement with Aamjiwnaang First Nation (FN) is provided below.

Notices

Notices were provided as per **Section 5.3** and **Section 5.6**, above.

Meetings

November 27, 2024 – PIS 3

A representative of the Aamjiwnaang FN attended PIS 3 and requested contact and engagement. WM responded to this request via email on December 2, 2024, and followed up by email on January 15, 2025. No response was received from Aamjiwnaang FN.

Review and Comments

Input was requested via email for the Cultural Heritage ECR in August 2023. Archaeological Services Inc. (ASI) requested information on locations or items of cultural value or interest to the Indigenous communities and groups within the study area to take into consideration. No feedback was provided by Aamjiwnaang FN.

The Stage 1 Archaeological Assessment (Stage 1 AA) for the Project was provided to Aamjiwnaang FN on August 22, 2023 for review and comment. No feedback was provided by Aamjiwnaang FN.

5.6.2 Chippewas of Kettle and Stony Point First Nation

A summary of engagement with Chippewas of Kettle and Stony Point First Nation (CKSPFN) is provided below.

Notices

Notices were provided as per **Section 5.3** and **Section 5.6**, above.

Tours

WM conducted a site tour for the CKSPFN on September 11, 2024. The site orientation and tour were conducted from 9 a.m. to 11 a.m. with eight in-person attendees. The comprehensive site tour included landfill operations, cell construction, scale and maintenance facility, surface water management, leachate and landfill gas management, poplar system, RNG Facility, walking trails, and the Watford Dog Park.

Meetings

April 13, 2023

WM held a virtual meeting with Three Fires, who are representatives of CKSPFN for consultation and economic development. The discussion focused on CKSPFN interest in the Project and potential economic opportunities. They expressed a desire to review the EA reports and discussed the possibility of sharing reviews with other Indigenous communities and groups. It was proposed to schedule the next semi-annual check-in meeting for late June 2023.

September 5, 2023

A virtual meeting was held with representatives of the CKSPFN to discuss the Stage 1 AA and Cultural Heritage Resources ECR. CKSPFN had questions regarding the Project and requested time for input from the community on the report. Treaty history was reviewed, report and additional details were requested on past archaeological fieldwork at the TCEC.

January 30, 2024

An in-person meeting was held with CKSPFN. WM provided an overview of the Project, including a discussion of the potential benefits and effects of the Project on CKSPFN.

July 24, 2024

A virtual meeting was held with CKSPFN. WM provided an update on the Project including details on the involvement of CKSPFN in the EA and technical review process.

September 11, 2024

An in-person meeting and site tour was held at the TCEC Site Office with representatives from CKSPFN. The meeting started at 11 a.m. with both in-person and virtual attendees. Topics covered included introductions, a tour recap, follow-up questions, and tour themes such as the large facility size, long-term and short-term planning, and the collection, transfer, and disposal of CKSPFN waste at WM Petrolia and the TCEC. There was a discussion on the process funding agreement, noting good progress has been made on the agreement since initiated in July, with only three items remaining to resolve, two of which were resolved during the meeting, while confidential information remains to be addressed. The Three Fires Group funding was also discussed, and additional information was provided. It was agreed to provide a funding proposal and payment schedule prior to the next meeting.

December 4, 2024

CKSPFN hosted a Community Open House at the Kinomaagaazdaa Education Hub, Lambton Shores from 4:30 p.m. to 7 p.m. The event aimed to introduce the Project, update the EA, present the three Alternative Methods and the Draft EARs, a comparison of the Alternative Methods to select the Preferred Alternative, and outline next steps and upcoming engagement opportunities. The open house was attended by 14 people in addition to three WM staff, 5 consulting staff, and CKSPFN community representatives. Attendees had inquiries regarding what was being planned for the Project and how the site was designed, operated, and monitored with respect to groundwater, surface water, and air. One completed comment form was submitted which noted the open atmosphere of the session and expressed support for the facility but opposed having to expand to service outside communities. There was concern about allowing the community's space to be used by other large municipalities who contribute more to the landfill.

February 4, 2025

A virtual meeting was held with representatives of CKSPFN to discuss the potential for CKSPFN and COTTEN to collaborate in the review of EA documents prepared for the EA. CKSPFN and COTTEN had previously met and discussed the potential to collaborate on the review of this Project. The two communities were interested at a high level in collaborating on the EA review. The third-party reviewer utilized by CKSPFN needed to meet with each community to determine any specific concerns and interests.

CKSPFN targeted the release of technical review comments on the Draft ECRs and EARs for February 14, with community comments to be provided to WM on February 21. The technical review of the Draft EA Study Report is anticipated to be more

collaborative between the two FNs. Funding was already in place for CKSPFN to complete their reviews and community engagement.

February 25, 2025

WM and representatives of CKSPFN met at the Residence Inn, 383 Colborne Street, London, ON. The meeting covered recent accomplishments, including confirmation that the process funding agreement was signed, initial payments were made, and that the December Community Open House was well received. Plans for a March job fair were discussed, with a student-focused session in the afternoon and a community hiring session in the evening. Concerns were raised about donation levels, and it was agreed that all job postings should be directed through the appropriate contact. Procurement practices will also be reviewed in an upcoming meeting.

A March public workshop would be scheduled, which would follow a presentation format, with community feedback expected shortly after. On-going engagement with the community was emphasized, including attendance at future events and providing printed materials. A new initiative was introduced related to missing and murdered Indigenous women and girls. WM advised that the technical comments on the Draft ECRs and EARs received from CKSPFN in February are under review, with plans to address them through upcoming meetings and the workshop. A separate set of community comments on the Draft ECRs and EARs were anticipated by early April.

March 26, 2025

A community workshop was hosted by CKSPFN at the Kinomaagaazdaa Education Hub, Lambton Shores, which took place from 4:30 p.m. to 7 p.m. Following the presentation, CKSPFN facilitated a community workshop to discuss comments from their technical review consultant and address specific community concerns. The meeting was attended by WM representatives, Three Fires Group, and four community members. WM also provided printed copies of the ECRs and EARs, which were available in the CKSPFN library for community access.

June 24, 2025

WM met with representatives of CKSPFN virtually. WM previously provided responses to review comments on the Draft ECRs and EARs, which were under evaluation by the CKSPFN technical consultant. The ECR and EAR reports were being revised by WM to incorporate this feedback and would serve as supporting documents for the Draft EA Study Report, which was under development. The Draft EA Study Report was scheduled for release in November 2025, followed by a consultation period during which further comments would be addressed and integrated into the final EA, expected in Spring/Summer 2026. Additionally, CKSPFN planned to host a community meeting between mid-November and mid-December 2025 to coincide with the review of the Draft EA Study Report. WM would coordinate discipline-specific meetings with CKSPFN as needed to resolve any outstanding concerns.

In addition to the above, correspondence and several meetings occurred between CKSPFN, Three Fires Group, and WM regarding accommodation over the course of the EA between April 13, 2023 and November 2025.

February 17, 2026

CKSPFN hosted a Community Information Session at Three Fires Consultation Office (formerly Kinomaagaazdaa Education Hub) in Lambton Shores. Project staff presented an overview of the Project, update on the EA, the Preferred Alternative for the vertical expansion, a summary of the effect assessments of the Preferred Alternative, an overview of the Draft EA Study Report, and next steps and engagement opportunities. The information session was attended by 24 community members including Three Fires staff in addition to two WM staff and 6 consulting staff. No (0) completed comment forms were received.

Verbal comments, key issues, and discussions from the session are summarized below by subject.

- Conceptual Design, Engineering, and Project Details
 - Attendees asked about the remaining landfill capacity, the proposed final height of the landfill, and the number of additional years of landfilling the expansion would provide.
 - Discussion included the composition of the landfill cap, soil sourcing, and the anticipated timing of vegetation establishment.
 - Attendees raised questions about how additional fill may affect existing leachate collection piping.
 - Indigenous employment at the landfill was discussed, including whether Indigenous community members are currently employed at the site.
- Visual
 - Attendees inquired on what the final landfill will look like and what the identified visual impact areas represent.
- Ecology
 - Potential effects of the Project on bats were discussed.
- Noise
 - Topics included how bird control works and if making the mound higher would increase the distance the noise propagates.
- Air Quality
 - Attendees were interested in landfill gas and dust, how it was assessed, and what WM was doing about it.
 - Attendees responded positively to information regarding the RNG Facility use of landfill gas.

- H₂S monitoring results were referenced, including attribution to elevated background levels and the absence of a clearly identified background source.
- Human Health
 - Concerns were raised regarding air emissions and potential impacts on nearby residents, with interest in the human health risk assessment.
- Archaeology
 - Timing and scope of archaeological studies was a topic of interest.
 - Concerns about sites and artifacts being missed or lost, including in areas cleared of archaeological potential.
 - Artifact storage and the possibility of returning artifacts to the community was discussed.
- Groundwater
 - Groundwater evaluation and the potential risks to groundwater associated with the Project.
- Surface Water
 - Questions were asked about surface water flow direction from the site, surface water runoff control measures and how runoff is managed, and the frequency of surface water quality testing.
- Emergency Preparedness
 - A question was raised about emergency response planning for seismic occurrences.

Review and Comments

Input was requested via email for the Cultural Heritage ECR on August 17, 2023. ASI requested information on locations or items of cultural value or interest to the Indigenous communities and groups within the study area to take into consideration. An extension was requested and provided to CKSPFN. Community requested to be kept informed of any archaeological related studies or reports during the EA process.

The Stage 1 AA for the Project was provided to CKSPFN on August 21, 2023 for review and comment. CKSPFN provided comments for the Stage 1 AA on October 4 and 5, 2025.

CKSPFN provided comments for the Draft ECRs and EARs in two parts via email; Part 1 was shared with WM on February 21, 2025 and Part 2 was shared on February 24, 2025. In addition, CKSPFN provided comments from community members on the Draft ECRs and Draft EARs on April 5, 2025. WM provided responses to all comments on the Draft ECRs and Draft EARs on June 20, 2025 via email.

CKSPFN provided comments for the Draft EA Study Report on April 9, 2026. WM shared responses to these comments on April 23, 2026.

All CKSPFN feedback on the Draft ECRs, Draft EARs, and Draft EA Study Report can be found in **Appendix H**.

5.6.3 Chippewas of the Thames First Nation

A summary of engagement with Chippewas of the Thames First Nation (COTTFN) is provided below.

Notices

Notices were provided as per **Section 5.3** and **Section 5.6**, above.

Tours

A site tour was provided for COTTFN on September 25, 2023. Further details are provided below.

Meetings

April 19, 2023 (PIS 1)

Representatives of the COTTFN attended PIS 1 held at the TCEC Site Office. Further information regarding PIS 1 can be found in **Section 5.5**, above.

September 25, 2023

An in-person meeting was held at the TCEC Site Office with representatives from COTTFN. Inquiries were made about the criteria used in archaeological studies. It was noted that the traditional land had issues with scatter, indicating that the land was disturbed, which raised questions about the validity of the archaeological studies. Insights from ASI were acknowledged. As a next step, COTTFN would prepare a webinar to provide a lesson on the history and their connection to the area.

December 12, 2024

A virtual meeting was held with representatives of COTTFN. COTTFN had met with CKSPFN and expressed interest in collaborating with them on the technical review of the EA documentation. Specifically, COTTFN expressed interest in the review of the recently released Effects Assessment reports. The timeline for submitting review comments by the end of January 2025 was challenging. WM was supportive of any collaboration and the use of the same third-party reviewer and was flexible regarding the comment period timeline. WM was to schedule a meeting with CKSPFN to discuss cooperation and collaboration on the third-party review of the Draft EARs and the review timeline.

February 4, 2025

A virtual meeting was held with representatives of CKSPFN and COTTFN to discuss the potential for both FNs to collaborate in the review of EA documents prepared for the Project. Further discussion details can be found in **Section 5.6.2**, above.

July 29, 2025

WM met with representatives of COTTfN virtually to discuss updates on the Project. The status of items related to the capacity funding agreement were reviewed. Technical comments on the Draft EARs from COTTfN were submitted on May 28, 2025, and WM provided responses on July 3, 2025 which were discussed during the meeting. Plans for a community information session were considered, with a tentative date set between late November and early December 2025. Potential economic development opportunities linked to the Project were discussed and the meeting concluded with scheduling the next virtual check-in.

November 19, 2026 (PIS 4)

Representatives of COTTfN attended PIS 4.

Review and Comments

Input was requested via email for the Cultural Heritage ECR on August 17, 2023. Feedback was provided by COTTfN, with a granted request for a review period extension. COTTfN requested to be kept informed of any additional archaeological related studies or reports during the EA Process.

The Stage 1 AA for the Project was provided to COTTfN on August 21, 2023 for review and comment, and COTTfN provided feedback.

COTTfN submitted comments to WM on the Draft ECRs and Draft EARs on May 28, 2025. WM provided responses to the comments on July 3, 2025.

COTTfN shared comments on the Draft EA Study Report on March 13, 2026. WM provided responses to the comments on April 23, 2026.

All COTTfN feedback on the Draft ECRs, EARs, and EA Study Report can be found in **Appendix H**.

COTTfN provided a letter to MECP on June 15, 2026 regarding outstanding concerns with the Project. WM provided a response to this letter on June 22, 2026.

5.6.4 Oneida Nation of the Thames

A summary of engagement with Oneida Nation of the Thames (ONOTT) is provided below.

Notices

Notices were provided as per **Section 5.3** and **Section 5.6**, above.

Meetings

There were no meetings conducted nor requested by ONOTT with WM.

Review and Comments

Input was requested via email for the Cultural Heritage ECR on August 17, 2023. ASI requested information on locations or items of cultural value or interest to the Indigenous communities and groups within the study area to take into consideration. WM did not receive any comments from ONOTT on any EA documentation.

5.6.5 Walpole Island First Nation – Bkejwanong Territory

A summary of engagement with Walpole Island First Nation (WIFN) is provided below.

Notices

Notices were provided as per **Section 5.3** and **Section 5.6**, above.

Tours

WM conducted an in-person meeting and site tour on August 29, 2023 for representatives of WIFN, covering the active landfill operations, RNG flare site, poplar system for leachate disposal and wildlife habitat, and Cell 6B construction and gas collection.

An in-person meeting and site tour was scheduled on June 15, 2026 for representatives of WIFN, which covered the operations and a construction update.

The meeting discussions are described below.

Meetings

August 29, 2023

An in-person meeting and site tour was held at the TCEC Site Office with members of WIFN. The discussion included updates on the Project, including the approval of the ToR and preparation of ECRs for presentation and the PIS 2 in Fall 2023. A land acknowledgement was made, and WIFN offered to provide feedback if materials were shared with them. Monitoring report reviews were discussed, with WIFN agreeing to share their comments with other FNs, provided permission to share each time. WIFN suggested hosting the next meeting at the WIFN Heritage Centre.

March 19, 2024

WM attended the WIFN Nin-Da-Waab-Jig Heritage Centre Open House on March 19, 2024, to present an overview of the EA.

December 12, 2024

A virtual meeting was held with representatives of WIFN. WM provided a review and update of the Project and engagement to date with WIFN. There was a general discussion about WM's overall engagement with Indigenous communities and groups regarding the Project. WIFN expressed interest in the cumulative effects of all large

landfill sites located within the Three Fires Confederacy territory. WIFN committed to provide WM with a work plan and timeline to review the Draft EARs.

September 19, 2025

WM attended a virtual meeting with representatives of WIFN. The purpose of the meeting was for WIFN to introduce the newly appointed engagement officer, and for WM to provide an EA status update. WM provided an overview of the Project and noted that revisions to the EARs are in progress, with the Draft EA Study Report expected to be completed in November 2025. WIFN proposed establishing regularly scheduled meetings to maintain communication. WM highlighted the upcoming PIS 4 on November 19, 2025. WIFN also noted the Aboriginal Youth Employment Fair for First Nation students and inquired about WM's participation. In addition, a sponsorship payment for WIFN's powwow was discussed.

December 10, 2025

A virtual meeting was held with representatives of WIFN. WM provided an EA update, stating that the Draft EA Study Report would be released November 19, 2025. WIFN discussed technical reviews of the Draft EA Study Report, the annual monitoring report, as well as costs and invoicing required by December 10, 2025. A future WIFN engagement on January 26, 2026 was proposed, with location and details to be confirmed at a later date.

January 26, 2026

WIFN hosted a Community Information Session at Walpole Island Sports Complex (770 Tecumseh Road, Wallaceburg, ON) from 3:00 p.m. to 6:00 p.m. WM presented 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 EA Study Report, and next steps for the EA. There were 23 community members in attendance, with at least 5 additional persons that did not sign in. The project team included two WM staff and 8 consulting staff.

Verbal comments, key issues, and discussions from the session are summarized below by subject.

- General Project
 - Several attendees indicated the information session was informative and appreciated the opportunity to learn more about the Project.
 - Some attendees expressed interest in all aspects of the Project.
 - Opposition was expressed by some attendees to expanding the facility at its current location, with some attendees questioning why the decision was made to expand at this site rather than pursuing alternative locations, including more remote areas.

- Air Quality
 - Attendees expressed interest in air quality considerations.
 - Some concerns were raised regarding potential impacts related to air emissions.
- Groundwater and Surface Water
 - Attendees identified groundwater and surface water as areas of interest.
 - Interest was expressed in how groundwater and surface water are being evaluated and protected as part of the Project.
- Ecology
 - Attendees expressed interest in ecological considerations.
 - Positive feedback was provided regarding efforts to recycle landfill gas and use leachate to support adjacent woodlots.
 - Concerns were raised about potential impacts to plants and wildlife, with some attendees expressing skepticism that effects would be minimal.
- Archaeology and Cultural Heritage
 - Interest was expressed in archaeological history and artifacts.
 - Specific reference was made to a pendant recovered during archaeological investigations for the 2005 Warwick Landfill EA.
 - Attendees expressed interest in locating and understanding previously identified archaeological resources.
- Land Use and Visual
 - Attendees expressed interest in land use and visual aspects of the Project.
 - Concerns were raised about the vertical expansion of the site and its compatibility with surrounding land uses.
 - Some attendees expressed opposition to expanding the site at its current location, including concerns about impacts to prime agricultural land.

March 17, 2026

A virtual meeting was held with representatives of WIFN. The Draft EA Study Report review was underway by WIFN and comments were completed and shared with WM end of February. The 2026 review budget was discussed, along with the proposed timeline for the final EA Study Report

June 15, 2026

An in-person meeting and site tour was conducted at the TCEC Site Office for members of WIFN. The site tour included an operations and construction update. WM provided an update on the EA and discussion on a financial agreement. Further

discussions included cultural awareness training, WIFN priorities and upcoming powwow.

Review and Comments

Input was requested via email on August 17, 2023 for the Cultural Heritage ECR on August 17, 2023. ASI requested information on locations or items of cultural value or interest to the Indigenous communities and groups within the study area to take into consideration. No feedback was provided by WIFN.

The Stage 1 AA for the Project was provided to WIFN on August 21, 2023 for review and comment. No feedback was provided by WIFN.

On March 7, 2024, WIFN shared comments on the Draft ECRs to WM via email. WIFN provided comments on the Draft EARs via email to WM on February 14, 2025. WM shared responses to the comments on Draft ECRs and EARs via email on June 23, 2025.

WIFN shared comments on the Draft EA Study Report on March 24, 2026. WM provided responses to these comments on April 22, 2026.

During the WIFN Community Information Session held on January 26, 2026, a WIFN community member inquired about an artifact recovered during the archaeological assessments at the TCEC and requested WM locate it. The artifact was located and a letter was issued to the community member along with the relevant Stage 1 to 3 Archaeological Assessments on April 9, 2026.

All WIFN feedback on Draft ECRs, EARs, and EA Study Report can be found in **Appendix H**.

5.6.6 Caldwell First Nation

A summary of engagement with Caldwell FN is provided below.

Notices

Notices were provided as per **Section 5.3** and **Section 5.6**, above.

Tours

A site tour was conducted on April 4, 2024 in addition to a meeting held at the TCEC office, as described below.

Meetings

April 4, 2024

A meeting was held at the TCEC Site Office with representatives from Caldwell FN. WM presented the TCEC history and the Project, noting past archeological work being conducted with a FNs monitor. Discussions covered Caldwell FN's interest in the Project, their diaspora status, and recent acquisition of reserve lands. Caldwell FN's technical work plan, limited staffing and funding challenges were discussed, with a

focus on the review of future EA documents. WM expressed interest in beneficial partnerships, including educational components. The meeting concluded with a site tour and plans for the next meeting in Caldwell FN's traditional territory near Leamington, Ontario.

Review and Comments

WM did not receive any comments from Caldwell FN on any EA documentation.

5.6.7 Delaware Nation at Moraviantown

A summary of engagement with Delaware Nation at Moraviantown (DNM) is provided below.

Notices

Notices were provided as per **Section 5.3** and **Section 5.6**, above.

Meetings

There were no meetings conducted nor requested by DNM with WM.

Review and Comments

WM did not receive any comments from DNM on any EA documentation.

5.6.8 Métis Nation of Ontario

A summary of engagement with Métis Nation of Ontario (MNO) is provided below.

Notices

Notices were provided as per **Section 5.3** and **Section 5.6**, above.

Meetings

There were no meetings conducted nor requested by MNO with WM.

Review and Comments

WM did not receive any comments from MNO on any EA documentation.

5.6.9 Munsee Delaware Nation

A summary of engagement with Munsee Delaware Nation (MDN) is provided below.

Notices

Notices were provided as per **Section 5.3** and **Section 5.6**, above.

Meetings

There were no meetings conducted nor requested by MDN with WM.

Review and Comments

WM did not receive any comments from MDN on any EA documentation.

5.7 Agency and Organizations Consultation and Communications

Government and municipal agency groups as well as business organizations were engaged throughout the EA process. Several agencies and organizations provided feedback throughout the Project. All agency consultation documents including Project notices, meeting materials, comments and written correspondence are included in **Appendix E**.

5.7.1 Ministry of the Environment, Conservation and Parks

A summary of engagement with MECP is provided below.

Notices

Notices were provided as per **Section 5.3**, above.

Tours

MECP staff attended the WPLC site tours on September 13, 2023, September 11, 2024 and September 17, 2024, as listed below in **Table 5-4**.

Meetings

July 6, 2023

WM had a virtual meeting with representatives of the MECP to discuss the Project. Topics discussed included the NOC and PIS 1 review, engagement with the Township and Indigenous communities, updates on ECR documentation, the proposed EA schedule and next steps.

March 20, 2024

WM and representatives of the MECP met virtually to discuss further EA updates beginning with a review of PIS 2 held on November 29 and December 5, 2023. MECP comments were reviewed on the Draft ECRs. WM shared that engagement was in progress with the Township of Warwick and Indigenous communities. WM outlined the proposed EA schedule and next steps.

January 8, 2025

A virtual meeting occurred between WM and the MECP. A Project update was provided including a review of PIS 3, on-going engagement with Indigenous communities and the Township of Warwick. The Ministry has circulated the Draft ECRs and EARs internally for review and expects to provide comments in February. PIS 4 is

scheduled for November 2025 in conjunction with the release of the Draft EA Study Report.

June 26, 2025

A virtual meeting occurred between WM and the MECP. A Project update was provided including on-going engagement, and responses to review comments being circulated back to the Township, Indigenous communities, and the MECP. PIS 4 is scheduled for November 2025 in conjunction with the release of the Draft EA Study Report. The MECP also requested a redline version of the Draft EA to confirm comments have been addressed before final submission.

December 12, 2025

A virtual meeting was held with representatives from the MECP. WM provided an update on the EA, announcing that the Draft EA Study Report was released on November 19, 2025. An overview of PIS 4 was shared, along with next steps and the final EA submission. The proposed review of the Draft EA Study Report was discussed, with WM expecting comments from the MECP and agencies, Third Party Technical Review from the Township of Warwick and County of Lambton, and Indigenous communities. The funding agreements amongst engaged Indigenous communities were discussed. WM provided an overview of upcoming Community Information Sessions with Indigenous communities which include WIFN on January 26, 2026, CKSPFN on January 27, 2026, and COTTFN to be determined.

April 21, 2026

WM had a virtual meeting with representatives of the MECP to discuss the Project. Project history and key updates since the December 12, 2025 meeting were reviewed, followed by a discussion of the Draft EA Study Report and engagement activities with MECP, agencies, the Township of Warwick, the County of Lambton, and Indigenous communities, including recent Community Information Sessions. The meeting also covered upcoming steps toward the final EA submission, including the proposed June 26, 2026 submission date, and the preparation of the Notice of Submission and EA Summary Form.

Reviews and Comments

WM received MECP comments on the Draft ECRs and Draft EARs in January and February, 2025. WM provided responses to the comments on the Draft ECRs and Draft EARs to the MECP on June 24, 2025.

MECP provided comments on the Draft EA Study Report from January 30 to February, 2026 and March 2, 2026. WM shared responses to these comments on April 14, 2026. The MECP confirmed on May 29, 2026 that their comments had been addressed.

5.7.2 Ministry of Citizenship and Multiculturalism

A summary of engagement with Ministry of Citizenship and Multiculturalism (MCM) is provided below.

Notices

Notices were provided as per **Section 5.3**, above.

Tours

There were no site tours provided nor requested for MCM.

Meetings

There were no meetings conducted nor requested by MCM with WM.

Reviews and Comments

In response to the NOC, MCM sent an email to WM on May 8, 2023 regarding their interest relating to Ontario's cultural heritage including archaeological resources, built heritage resources and cultural landscapes. MCM requested their continued involvement in the EA process.

On February 2, 2024, MCM provided WM with their comments on the Draft ECRs. WM received comments on the Draft EARs on January 31, 2025. WM sent responses to comments regarding the Draft ECR and Draft EARs to MCM on June 24, 2025. MCM provided additional feedback on the Draft ECRs and Draft EARs to WM on September 2, 2025.

MCM provided comments on the Draft EA Study Report on February 13, 2026. WM sent responses to comments on April 23, 2026. MCM responded on May 4, 2026 indicating that their comments had been addressed.

5.7.3 Ministry of Natural Resources and Forestry

A summary of engagement with the Ministry of Natural Resources and Forestry (MNR) is provided below.

Notices

Notices were provided as per **Section 5.3**, above.

MNR acknowledged receipt of the NOC and sent a letter via email to WM on April 19, 2023 outlining their requirements for the assessment of natural features and resources.

Tours

There were no site tours provided nor requested for MNR.

Meetings

There were no meetings conducted nor requested by MNRF with WM.

Reviews and Comments

WM did not receive any comments from MNRF on any EA documentation.

5.7.4 County of Lambton

A summary of engagement with the County of Lambton is provided below.

Notices

Notices were provided as per **Section 5.3**, above.

On December 5, 2023, County of Lambton was notified by WM via email that the hard copies of the ECRs and Alternative Methods Screening Memorandum were delivered to the Warwick Township Office and Watford Library.

The County of Lambton was notified by WM via email on December 13, 2024 that the hard copies of the EARs were delivered to the Watford Library, Township of Warwick office and the Twin Creeks facility office.

Tours

There were no site tours provided nor requested for the County of Lambton.

Meetings

January 18, 2024

A virtual meeting was held with WM and representatives from County of Lambton to discuss the Project. Discussions included an EA update from WM on the progress to date and the Project schedule for 2024. WM requested County of Lambton comments on the Draft ECRs or the acknowledgement of no comment (if applicable) and suggested a timeline in February 2024 for these comments.

April 11, 2024

Representatives of County of Lambton met with WM virtually to discuss the Project. WM indicated that the Draft Conceptual Design Report and EARs were in preparation, and were anticipated to be available for review in approximately September 2024, and that PIS 3 was expected to occur in October or November 2024.

September 16, 2024

WM had a virtual meeting with representatives of the County of Lambton to discuss the Project. WM noted that responses to comments on the Draft ECRs had been provided to the Township of Warwick's Peer Review Team (PRT). WM shared that PIS 3 was booked for November 27, 2024 at the East Lambton Community Complex (ELCC).

January 14, 2025

WM met with County of Lambton and discussed the Project as part of the regularly scheduled quarterly call. WM noted that the Draft EARs and Conceptual Design Report for the Project were issued on December 6, 2024. WM is having on-going discussions with the Township of Warwick regarding review of these draft reports and updates to the host community agreement. PIS 4 is being planned for November 2025 to focus on the Preferred Alternative and the Draft EA Study Report. County of Lambton was informed that engagement has been continuing with nine FNs communities. The submission of the Draft EA Study Report is expected in Fall 2025.

April 8, 2025

WM had a virtual meeting with representatives of the County of Lambton to discuss the Project. It was noted that the Township of Warwick's PRT presented their review comments on the Draft EARs to the Township Council on April 7, 2025. Discussions with the Township on an updated Host Agreement are on-going. PIS 4 is now planned for November 19, 2025 and will focus on the Preferred Alternative and the Draft EA Study Report. Engagement with the nine Indigenous communities and groups remained active through on-going consultations, technical reviews, and community updates. The submission of the Draft EA Study Report is targeted for Fall 2025.

October 14, 2025

A virtual meeting was held with WM and the County of Lambton to discuss Project updates. WM shared that a Preferred Alternative had been confirmed. WM provided similar updates to the previous meeting regarding the scheduled dates for the PIS 4 and the Draft EA Study Report.

January 13, 2026

WM had a virtual meeting with representatives of the County of Lambton to discuss the Project. PIS 4 was held on November 19, 2025 to present the results of the effects assessment and the Draft EA Study Report. The comment period for stakeholders would be open through January 30, 2026. The consultant budget and review completion for County of Lambton was still pending, and the final EA Study Report was targeted for submission in May 2026.

April 14, 2026

WM met with County of Lambton and discussed the Project as part of the regularly scheduled quarterly call. WM shared that the Draft EA Study Report comments were received and responses were underway. All stakeholder comments had been received, and the final EA Study Report was targeted for submission in June 2026.

Reviews and Comments

The County of Lambton shared comments regarding the Draft EA Study Report on February 12, 2026. WM provided responses to these comments on April 13, 2026.

5.7.5 Township of Warwick

A summary of engagement with the Township of Warwick is provided below.

Notices

Notices were provided as per **Section 5.3**, above.

On June 22, 2023, WM shared a letter response to Township of Warwick regarding the Township of Warwick Public Consultation Recommendations, provided to WM on February 14, 2023. WM addressed their commitment to community surveys, PISs, facility tours, online engagement, and proposed utilizing the WPLC as an EA study group.

WM notified Township of Warwick on September 8, 2023 via email that, in accordance with the Socio-Economic workplan for the EA, the community and economic surveys would be available from September 11 to 29, 2023 and open to all residents (over 18) and businesses in the Township of Warwick.

On December 5, 2023, the Township of Warwick was notified via email that the Draft ECRs were available in hard copies at the Township of Warwick Office and Watford Library and electronic copies were available on the Project website.

In October 2024, the Township of Warwick created a page for the Project on their own website which included a Project Summary, Background, EA Process Overview, Township of Warwick PRT description, Role of Township of Warwick description and Upcoming Community Engagement Sessions.

On December 13, 2024, WM notified Township of Warwick that hard copies of the Draft EARs were delivered to the Township office and would be available at the Watford Library and Twin Creeks office.

Tours

The Township of Warwick Council and staff members were given a tour of the TCEC on July 29, 2024 and September 22, 2025.

The Watford and Warwick Fire Department attended a tour of the LFG and RNG Facility at the TCEC on October 15, 2025.

Meetings

May 30, 2023

A virtual meeting was held to discuss monthly updates between WM and the Township of Warwick. WM provided an EA update including a summary of PIS 1 and the Township's consultation recommendations.

September 20, 2023

The Township of Warwick met with WM virtually to discuss monthly updates. WM noted that as the EA continued to advance, the Draft ECRs were in progress and

preparations for PIS 2 were underway. A socio-economic survey was distributed September 11, 2023, discussions around delegating to Council were underway and the WPLC recommendations would be addressed in a dedicated meeting.

October 25, 2023

A virtual meeting was held to discuss monthly updates between WM and the Township of Warwick. WM stated that the Draft ECRs were underway and that two public events for PIS 2 were scheduled for November 29 and December 5, 2023. Discussions around Council delegation were on-going, while proposals for Township communications and the EA PRT were pending WM internal review.

November 15, 2023

The Township of Warwick met with WM virtually to discuss monthly updates. The EA PIS 2 Notice was shared with the Township on November 13, 2023 with newspaper, mailout and email distribution to occur later in the week. Sessions were scheduled for November 29 and December 5, 2023, including a dedicated time for Township staff to attend ahead of the event. Socio-economic survey summaries were shared on November 14, 2023, along with responses to Warwick's proposals covering PISs, communication funding, and expanded peer review.

December 20, 2023

A virtual meeting was held between WM and the Township of Warwick to discuss monthly updates. WM noted that PIS 2 took place on November 29 and December 5, 2023, drawing a total of 21 attendees, though no comment forms were submitted at either event. The comment period would remain open until December 22, 2023, with upcoming focus on reviewing the PRT's budget and timeline.

January 30, 2024

The Township of Warwick met with WM virtually to discuss monthly updates. The PRT comments were expected by February 9, 2024. The next phase, the EARs, would span throughout 2024, culminating in a third PIS aimed for October 2024.

February 26, 2024

WM met with the Township of Warwick virtually to discuss monthly updates. The Draft ECR comments from the PRT were received on February 20, 2024 and responses from WM were underway. Work on the Conceptual Design Report and EARs were in progress, with draft versions expected in September 2024 ahead of the third PIS planned for either October or November 2024.

March 26, 2024

A virtual meeting was held between WM and the Township of Warwick to discuss monthly updates. WM was preparing responses to the PRT comments received on February 20, 2024. Drafts of the Conceptual Design Report and EARs were underway, targeting completion in September 2024, ahead of PIS 3 planned for October or

November 2024. The Township of Warwick communication proposal was under WM review.

April 29, 2024

The Township of Warwick met with WM virtually to discuss monthly updates. The EA updates remained the same as at the previous month's meeting.

May 28, 2024

WM met with the Township of Warwick virtually to discuss monthly updates. WM indicated that responses to the PRT comments from February 2024 were in development for June 2024. The Township of Warwick's Communication Plan was discussed, and PIS 3 was expected to take place at the ELCC. Work continued on the Draft Conceptual Design Report and Draft EARs.

July 30, 2024

A virtual meeting was held between WM and the Township of Warwick to discuss monthly updates. The EA updates remained the same as at the previous month's meeting regarding PRT comment responses and Draft Conceptual Design Report and Draft EAR completion dates. PIS 3 had now been scheduled for November 27, 2024. WM shared an update on the Township of Warwick Communication Plan on June 21, 2024.

September 10, 2024

The Township of Warwick met with WM virtually to discuss monthly updates. WM confirmed that the Draft ECR responses to the PRT comments were issued on August 1, 2024. The Township of Warwick Council approved the Communication Plan on July 29, 2024 and WM was awaiting final protocol guidance from the Township of Warwick.

October 7, 2024

WM met with the Township of Warwick virtually to discuss monthly updates. The EA updates remained the same as at the previous month's meeting. WM reviewed the proposed website additions. The Draft EARs were expected in early November and the Township of Warwick would notify the PRT in advance.

November 4, 2024

A virtual meeting was held between WM and the Township of Warwick to discuss monthly updates. The EA updates remained the same as at the previous month's meeting. The Township of Warwick would issue an invoice related to the Communication Plan. PIS 3 had been confirmed for November 27, 2024 at the ELCC.

December 2, 2024

The Township of Warwick met with WM virtually on to discuss monthly updates. WM confirmed that the Draft ECRs PRT comments were received and a Council resolution

passed on November 18, 2024. The PIS 3 drew 38 attendees and generated three comments. The Draft EARs and Conceptual Design Report are to be released on December 6, 2024 for review, with a request made by the Township for PRT budget approval. PIS 4 is being targeted for November 2025 and would focus on the Cumulative Effects and the Draft EA Study Report.

January 13, 2025

WM met with the Township of Warwick virtually to discuss monthly updates. The Draft EARs were issued on December 6, 2024. Progress on the Communication Plan continued and discussions were underway regarding county-level review of the EA and potential collaboration, including alignment on the County of Lambton agreement timeline.

February 10, 2025

A virtual meeting was held between WM and the Township of Warwick to discuss monthly updates. The Township of Warwick's review timeline for the Draft EARs and Conceptual Design Report was to be finalized. Work on the Communication Plan was on-going. PIS 4 has been scheduled for November 19, 2025 at the ELCC, and would focus on Cumulative Effects and the Draft EA Study Report.

March 10, 2025

The Township of Warwick met with WM virtually to discuss monthly updates. WM noted that the Property Value Protection Plan was under review as part of the broader EA process. The Township of Warwick's review timeline had been approved and work continued on the Communication Plan. The EA updates remained the same as at the previous month's meeting regarding PIS 4. Discussions had begun regarding collaboration opportunities with the County of Lambton for EA review alignment.

April 14, 2025

A virtual meeting was held to discuss monthly updates between WM and the Township of Warwick. The PRT delivered a presentation outlining their findings and recommendations for the Draft EARs and Conceptual Design Report on April 7, 2025. Consultation efforts were conducted with nine Indigenous communities and groups to ensure Indigenous perspectives and concerns were integrated into the EA. PIS 4 will be held on November 19, 2025, focusing on Cumulative Effects and presenting the Draft EA Study Report for public review and feedback.

May 12, 2025

The Township of Warwick met with WM virtually to discuss monthly updates. A pre-consultation meeting was requested within the next two weeks to address land use and zoning amendments for the Project. The Draft EA Study Report submission is expected in Fall 2025.

June 9, 2025

WM met with the Township of Warwick virtually to discuss monthly updates. The EA updates remained the same as at the previous month's meeting regarding a consultation meeting to address land use and zoning amendments and PIS 4.

August 11, 2025

The Township of Warwick met with WM virtually to discuss monthly updates. The EA updates remained the same as at the previous month's meeting regarding a consultation meeting to address land use and zoning amendments and submission date for the Draft EA Study Report. WM shared that PIS 4 was scheduled for November 19, 2025.

September 22, 2025

An in-person meeting and site tour was held at the TCEC facility to discuss monthly updates. The EA updates remained the same as at the previous month's meeting regarding a consultation meeting to address land use and zoning amendments, submission date for the Draft EA Study Report and PIS 4. The Township shared further comments to WM's comments on the Draft EARs on August 12, 2025. The final WM responses would be included in the Draft EA Study Report.

November 12, 2025

WM met with the Township of Warwick virtually to discuss planning approvals including the Site Plan and Official Plan amendments.

December 8, 2026

An in-person meeting was held at the TCEC facility. WM had released the Draft EA Study Report on November 19, 2025. The targeted submission date for the final EA Study Report was June 2026. There was further discussion regarding progress of PRT review of the Draft EA Study Report and review schedule.

January 28, 2026

WM met with the Township of Warwick in-person to discuss monthly updates. The EA updates remained the same as at the previous month's meeting regarding Draft EA Study Report review and final EA Study Report targeted submission date.

February 17, 2026

The Township of Warwick Council held a Special Council Meeting to present the PRT report comprising comments on the Draft EA Study Report.

February 24, 2026

WM met with the Township of Warwick virtually to discuss monthly updates. WM acknowledged receipt of the Township of Warwick comments on February 17, 2026 and stated that the project team had been reviewing and preparing responses. WM

shared that comments from all stakeholder agencies and Indigenous communities had been received. The target date for the final EA Study Report submission was June 2026. WM had requested assistance with additional properties and confirmation of ownership in regard to the Property Value Protection plan.

March 23, 2026

The Township of Warwick met virtually with WM to discuss monthly updates. The EA updates remained the same as at the previous month's meeting regarding project team response preparation and targeted submission date for the final EA Study Report.

April 13, 2026

WM met with the Township of Warwick virtually to discuss monthly updates. Comments from the Township were received on February 17, 2026, and WM would share responses by April 17, 2026. WM announced that all stakeholder comments had been received, and the target submission date for the final EA Study Report was June 2026.

May 11, 2026

The Township of Warwick met virtually with WM to discuss monthly updates. WM advised that all stakeholder comments on the Draft EA Study Report had been received. Comments from the Township were received on February 17, 2026, and responses were provided on April 15, 2026. WM was working with the MECP EA Branch toward final EA submission in June 2026. WM also received an audit information request from the Township on April 20, 2026, and a response was in progress.

June 15, 2026

WM met with the Township of Warwick virtually to discuss monthly updates. . The EA updates remained the same as at the previous month's meeting regarding receiving all stakeholder comments and targeted EA submission date. The Draft EA Study Report had been updated and revised where required to address comments, and direct mailings to every Township address would be issued and the Notice of Completion would be posted in local newspapers and uploaded onto the project website, including a link to the final EA Study Report.

Delegations to Council

A series of delegations were made to the Township of Warwick Council since the beginning of the EA.

September 18, 2023

WM provided a delegation to the Township of Warwick Council introducing the EA process for the Project.

November 15, 2023

WM presented to the Township of Warwick Council a status update on the Project.

October 28, 2024

WM provided a delegation to the Township of Warwick Council focused on alternative methods under consideration in the EA.

March 23, 2026

WM provided a delegation to the Township of Warwick Council for the existing landfill construction.

Reviews and Comments

Township of Warwick shared the PRT summary report and peer review comments regarding the Draft ECRs and Screening of Alternatives with WM on February 20, 2024. WM provided responses to the PRT via email on August 1, 2024. On February 6, 2025, the PRT provided further comments on the Draft ECR responses via email.

WM received a letter on behalf of the Township of Warwick Council regarding the PRT comments on the Draft EARs on April 9, 2025. WM provided responses to the PRT comments on the Draft ECRs and Draft EARs on June 16, 2025. The PRT sent further comments on the Draft EAR responses to WM on August 12, 2025. WM provided responses to these comments in the Draft EA Study Report Record of Consultation, published on November 19, 2025.

The Township of Warwick shared PRT comments regarding the Draft EA Study Report on February 17, 2026. WM provided responses to these comments on April 15, 2026.

WM received a letter from the PRT regarding outstanding concerns for the Project on June 16, 2026. WM provided a letter in response via email on June 22, 2026.

5.8 Public Consultation and Communications

The public were consulted throughout the EA Process and were provided several opportunities to offer feedback on the Project and EA. Each PIS was well attended. The summary reports for each PIS are included in **Appendix C**. All public consultation documents including Project notices, meeting materials, comments and written correspondence are included in **Appendix F**.

5.8.1 Warwick Public Liaison Committee Meetings

Meetings with the WPLC provide opportunities for WM to meet with representatives of the local community to discuss the TCEC and proactively discuss to the local community.

Copies of the meeting agenda and meeting minutes for the meetings summarized below are provided in **Appendix G**.

March 8, 2023

A WPLC meeting was held with WM staff in attendance. WM stated that the NOC would be published via email and newspaper the week of April 3, 2023. WM also stated that a PIS (PIS 1 for the EA) would be held on April 19, 2023 at the TCEC to focus on informing the public on the EA and consultation process. WM noted that the next steps would include completing the ECRs followed by the EARs.

June 14, 2023

WM staff attended the regularly scheduled WPLC meeting to provide an update on the Project. It was announced that ECRs were currently on-going and would be completed in the coming months. WM also noted that a PIS (PIS 2) would be scheduled in the fall to present the results of the ECRs.

November 22, 2023

A WPLC meeting was held with WM staff in attendance to announce that the ECRs were available for review, and technical experts would be present at PIS 2 to answer questions. PIS 2 would be held on November 29 and December 5, 2023. WM confirmed that notifications were shared via the newspaper, email, and the TCEC website for PIS 2.

A member of the WPLC asked for clarification on the potential future height of the landfill expansion. WM stated that the evaluation of proposed alternatives for the landfill expansion (that does include waste mound height) is still being completed as part of the EA process.

March 20, 2024

During the regularly scheduled WPLC meeting, WM provided an update on the EA. Participant and MECP comments on the ECRs had been received, and WM was preparing responses and updates, with a mid-July distribution anticipated. WM also announced that the Draft EARs were underway and would be presented at PIS 3, scheduled for November 27, 2024. Following PIS 3, WM would receive additional participant and MECP feedback. The outcome of the EARs would be a Preferred Alternative, which would form the basis of the Draft EA Study Report.

June 19, 2024

WM staff attended the regularly scheduled WPLC meeting to provide an update on the Project. The EARs were underway and expected to be presented in Fall 2024, with PIS 3 set for November 27, 2024. The results of the EARs would be a Preferred Alternative that will be the foundation of the Draft EA Study Report.

September 11, 2024

WM attended the WPLC meeting to share progress updates on the EA. PIS 3 was scheduled for November 27, 2024, and a notice would be mailed to residential

addresses within the Township of Warwick and published in local newspapers. As with the ECRs, WM would consult with participants to gather feedback on the EARs.

March 19, 2025

WM attended the WPLC meeting to provide an update on the EA. WM plans to release the Draft EA Study Report in November 2025 at PIS 4, with public notice via mail and local newspapers. As with earlier phases, consultation and engagement would follow the release.

June 18, 2025

WM attended the WPLC meeting to provide an update on the EA. Comments from the Township of Warwick and PRT were received in April 2025, and WM confirmed that responses were submitted this week. The Draft EA Study Report is expected to be released in November 2025 at PIS 4, with public notice distributed by mail and local newspapers. As with previous phases, consultation and engagement would follow.

September 17, 2025

A WPLC meeting was held on September 17, 2025 with WM staff in attendance to discuss further updates on the EA. WM announced that PIS 4 would be held on November 19, 2025 at the East Lambton Community Complex, and would cover the Draft EA Study Report, which is expected to be completed by late October 2025. WM provide clarification to a member of the WPLC who asked about the current approved height of the landfill waste mound and the proposed maximum height of the Project.

November 26, 2025

WM attended the WPLC meeting to provide an update on the EA. PIS 4 was held on November 19, 2025, to present key findings and conclusions from the Draft EA Study Report, and WM shared attendance information. Comment forms for PIS 4 were accepted until December 5, 2025. The Draft EA Study Report was released electronically on the Project website, and hard copies were made available on December 1, 2025, at the TCEC site office, the Township of Warwick office, and the library. The comment period for the Draft EA Study Report remained open until January 30, 2026.

A WPLC member asked if a physical model would be made to show the comparison of current approval waste mound height to future waste mound height for the Project and expressed concerns regarding the community's level of understanding pertaining to the actual height of the landfill expansion. The Township of Warwick agreed with the idea of creating a physical model. WM mentioned that there will be a virtual model created.

March 25, 2026

During the regularly scheduled WPLC meeting, WM provided an update on the EA. Similar updates to the previous meeting were shared regarding PIS 4 and the Draft

EA Study Report. WM announced that comments from the public, agencies, Township of Warwick and County of Lambton had been received. The project team were in the process of preparing responses to comments and revising the Draft EA Study Report where required. The final EA submission date was targeted for June 2026.

April 22, 2026

A special WPLC meeting was held at the Twin Creeks office regarding the 2026 Site Construction Delegation. WPLC members had general inquiries regarding the overall design, construction approach, and environmental safeguards for the Project. Discussion focused on how the expansion will be developed within the existing site footprint, including the management of materials and measures to prevent potential effects such as dust or odour.

June 11, 2026

During the regularly scheduled WPLC meeting, WM provided an update on the EA, noting that the Draft EA Study Report and its findings were presented at PIS 4 in November 2025 and made available for review both online and in hard copy, with comment periods extending to December 2025 for the PIS and January 30, 2026 for the Draft EA Study Report. WM confirmed that comments had been received from all stakeholders, and that responses were prepared and incorporated into revisions of the EA Study Report. WM indicated that the submission of the Final EA was targeted for June 2026, with direct mailings to Township residents, publication of the Notice of Completion, and updates to the project website planned.

5.8.2 Public Communications

Notices were provided as per **Section 5.3**, above.

Members of the public participated in PIS 1 through 4. Further detail is provided in **Section 5.5**, above.

In September 2023, two members of the public requested a hard copy of the Socio-Economic Community Survey form via email and phone calls to WM. WM delivered these individuals hard copies of the survey to their home addresses.

Hard copies of the Draft ECRs and Screening of Alternatives were provided at the WM office, the Township of Warwick Office, and the Watford Library on December 5, 2023, so that the documents were available for review by those who were not able to access the documents via the Project website.

On December 22, 2023, a member of the public requested that WM make digital PIS comment forms available for individuals wishing to submit a comment form who are unable to submit them in person. WM responded by creating a digital version of the PIS comment form and made it available on the Project website, and created digital comment forms for all future PISs.

WM delivered hard copies of the Draft EARs to the Township of Warwick Office in December 13, 2024 and Watford Library in early January 2025, so that the documents

were available for review by those who were not able to access the documents via the Project website. An additional hard copy was made available at the TCEC site office.

On January 31, 2025, an individual emailed WM requesting updated and detailed information regarding the Project to be informed on the process and decision approvals. WM responded on February 3, 2025 with further information including a link to the Project website which includes access to the ECRs and EARs.

Correspondence occurred between an individual and WM in October 2025 regarding property value protection.

WM delivered hard copies of the Draft EA Study Report to the Township of Warwick office and the Watford public library on December 3, 2025 for public review. An additional hard copy was made available at the TCEC site office.

On February 27, 2026, a member of the public inquired about the solar exposure assessment and WM provided them with an electronic copy through email.

5.8.3 Public Site Tours

WM conducted three (3) public site tours at the TCEC throughout the EA process. Details of the site tours are provided in **Table 5-4**.

Table 5-4. Public Site Tours

Date	Participants	Topics of Discussion
September 13, 2023	WPLC members, MECP, Township of Warwick councillors, and RWDI consultants	Proposed landfill expansion
September 11, 2024	WPLC members, MECP, Township of Warwick councillors, and RWDI consultants	- Draft ECRs presented in November 2023 - Draft EARs were under development - PIS 3 scheduled for November 2024 - Participant consultation plan
September 17, 2025	WPLC members, MECP, Township of Warwick councillors, and RWDI consultants	- On-going landfill development - RNG Facility

5.9 Media Publications

General news articles that were written in a local newspaper during the EA Process are provided in **Appendix I**.

5.10 Review of Draft Existing Conditions and Effects Assessment Reports

5.10.1 Draft Existing Conditions Reports

The Draft ECRs were released to agencies, Indigenous communities and groups, and members of the public on the participant contact list on December 8, 2023 via email (links to the documents were provided). Comments on the Draft ECRs were requested by February 2, 2024. Feedback was provided as outlined in **Table 5-5**. No public comments were received on the Draft ECRs.

Comments received on the Draft ECRs and the WM responses to each comment are provided in the Comment Response Tables in **Appendix H**.

Table 5-5. Draft Existing Conditions Report Review

Reviewer	Date Comments Received	Summary of Comments Received
Indigenous Communities and Groups		
WIFN	March 4, 2024	- Need for a complete EA framework, including assessment of the 'Do-Nothing' Alternative and clearer justification of how alternative methods were screened. - Greater clarity and transparency for documentation across disciplines, including explanation of data anomalies, modelling assumptions, monitoring assumptions, monitoring methods, and representation of ecological features. - Existing conditions align with recent monitoring results, however potential future effects and mitigation must be addressed through the EA and follow-up monitoring.
CKSPFN	- February 21, 2025 - February 24, 2025 - April 9, 2026¹	- Concerns for air quality and odour impacts, about short-term exceedances, monitoring assumptions, and how upset conditions are addressed. - Concerns for water and leachate risk management, focusing on seepage, containment reliability, and whether monitoring adequately protects downstream waters and ecosystems.
COTTFN	May 28, 2025	- Concerns about environmental risk and uncertainty, particularly related to water, air quality, and rare but high-impact events. - Emphasis on Indigenous rights, cultural considerations, and long-term stewardship, including monitoring and engagement, and future land use.
Agencies		
MCM	- February 2, 2024 - September 2, 2025	- Archaeological and cultural heritage requirements must be formally reviewed and cleared by the Ministry before approvals or ground-disturbing activities proceed. - Cultural heritage resources, potential impacts, and mitigation measures should be clearly identified, documented, and assessed during planning. - All heritage findings, mitigation, and commitments must be fully integrated into the EA.
Township of Warwick	- February 20, 2024 - November 18, 2024 - February 17, 2026¹	- Provide clearer, more transparent documentation of baseline conditions, assumptions, data analyses, and trends across disciplines. - Several disciplines require expanded or clarified analysis, with updated tables, figures, and supporting explanations where conclusions rely on modelling or monitoring data. - Remaining information gaps and clarifications should be addressed through the EA.
MECP	- January 8, 2025 - February 6, 2025 - February 10, 2025	- Confirm that reports meet professional standards and align with Ministry guidance and accepted methodologies. - Clarification of modelling approaches, definitions, and terminology. - Reviewed proposed monitoring and mitigation measures, acknowledging existing approaches, while identifying where additional assessment or clearer documentation was required, particularly for future or project-related conditions.

Note: ¹ Comments submitted as part of the review of the Draft EA Study Report.

5.10.2 Draft Effects Assessment Reports

The Draft EARs were provided to agencies, Indigenous communities and groups, and members of the public on the participant contact list on December 6, 2024 via email (links to the documents were provided). Comments on the Draft EARs were requested by January 31, 2025. Feedback was provided as outlined in **Table 5-6**. No public comments were received on the Draft EARs.

Comments received on the Draft EARs and the WM responses to each comment are provided in the Comment Response Tables in **Appendix H**.

Table 5-6. Draft Effects Assessment Report Review

Reviewer	Date Comments Received	Summary of Comments Received
Indigenous Communities and Groups		
WIFN	February 14, 2025	- General agreement with conclusions and mitigation approach, with emphasis on ensuring commitments for monitoring, odour control, and environmental protection are implemented. - Technical clarifications and refinements requested, particularly related to noise presentation, stormwater capacity, erosion control on steep slopes, and slope stability assumptions. - Focus on design robustness and long-term performance, including leachate seep management, stormwater under climate change, transportation operations, and closure/end-use considerations.
CKSPFN	- February 21, 2025 - February 24, 2025 - April 5, 2025 - April 9, 2026¹	- Concern that assessments understate expansion risks, including accidents, malfunctions, increased height, and environmental effects. - Emphasis on protecting Indigenous rights, land and water use, cultural values, and meaningful involvement in mitigation. - Requests for stronger monitoring, transparency, and scenario analysis for odour, dust, leachate, stormwater, and closure.
COTTFN	May 28, 2025	- Concerns about water-related risks to fish and groundwater, including off-site flows and leachate seepage. - Questions assumptions and background attribution for water quality, air contaminants, and outdated pathway analyses. - Emphasizes Indigenous rights, cultural values, cumulative effects, delayed reclamation, and on-going involvement in monitoring.
Agencies		
MECP	- January 10, 2025 - February 6, 2025 - February 10, 2025 - February 20, 2025	- General agreement with conclusions and mitigation approach, with emphasis on ensuring commitments for monitoring, odour control, and environmental protection are implemented. - Technical clarifications and refinements requested, particularly related to noise presentation, stormwater capacity, erosion control on steep slopes, and slope stability assumptions. - Focus on design robustness and long-term performance, including leachate seep management, stormwater under climate change, transportation operations, and closure/end-use considerations.
MCM	- January 31, 2025 - September 2, 2025	- Archaeological assessments remain preliminary until formally entered in Ontario's archaeological registry. - EA requires terminology updates to align with current cultural heritage legislation and guidance. - Cultural heritage findings, mitigation measures, and commitments must be clearly integrated into the EA.

Reviewer	Date Comments Received	Summary of Comments Received
Township of Warwick	• April 9, 2025 • August 12, 2025 • February 17, 2026¹	• Identified information gaps limiting meaningful comparison of alternatives and understanding of cumulative effects. • Requested stronger analysis for surface water, air quality, health risk, and landfill infrastructure performance. • Emphasized need for clearer commitments, stronger monitoring, and robust do-nothing comparison.

Note: ¹ Comments submitted as part of the review of the Draft EA Study Report.

5.11 Review of the Draft Environmental Assessment Study Report

The Draft EA Study Report were provided to agencies, Indigenous communities and groups, and members of the public on the participant contact list on November 19, 2025 through the Project website. Comments on the Draft EA Study Report were requested by January 30, 2026. Feedback was provided as outlined in **Table 5-7**. No public comments were received on the Draft EA Study Report.

Comments received on the Draft EA Study Report and the WM responses to each comment are provided in the Comment Response Tables in **Appendix H**.

Table 5-7. Draft Environmental Assessment Study Report Review

Reviewer	Date Comments Received	Summary of Comments Received	Summary of WM's Response
Indigenous Communities and Groups			
CKSPFN	• April 9, 2026	• Concern about the regular release of surface water from the site exceeding PWQO and requested stronger controls and expanded monitoring of off-site receiving waters.	• Surface water quality protection is governed by an MECP-approved trigger-based monitoring framework, which is more conservative than PWQOs with background-based trigger concentrations, includes enhanced verification monitoring and corrective responses.
		• Questioned the adequacy of sulphur and landfill gas monitoring and requested enhanced, continuous air and methane monitoring aligned with upcoming regulations.	• Committed to adding 24-hr H ₂ S monitoring and enhancing the methane monitoring program to fully meet incoming federal requirements in advance of 2028.
		• Requested formal inclusion in ongoing environmental monitoring, reporting, and review processes through the site ECAs.	• Agreed to continue discussions with CKSPFN and MECP through future ECA amendments, regarding potential participation and funding.
COTTFN	• March 13, 2026	• Concern about air emissions (H ₂ S, TRS, and methane) and requested enhanced monitoring, improved detection methods, and inclusion in notifications.	• Stated that monitoring indicates sulphur and methane emissions are low relative to background, with regulatory compliance maintained and notification requirements to be addressed through future ECA updates.
		• Concern about potential effects to downstream watercourses and the adequacy of surface water monitoring within their traditional territory.	• Indicated that existing surface water monitoring is MECP-approved, conservatively designed, and sufficient to assess potential effects to downstream watercourses.
		• Emphasized treaty rights and requested stronger, on-going inclusion in monitoring, reporting, and site planning processes.	• Acknowledged interest and committed to continued engagement and consideration of updated notification and monitoring roles through future ECA amendments.
WIFN	• March 24, 2026	• Flagged predicted exceedances and on-going nuisance concerns for air, odour and noise, and requested continued review and refinement of mitigation through design and operations.	• Committed to implementing and reviewing mitigation measures through detailed design, operations, and on-going monitoring.
		• Further clarification that surface water, groundwater, leachate, and ecological protections are sufficient to prevent long-term off-site effects.	• Stated that the associated discipline monitoring programs are MECP-approved, conservatively designed, and will continue throughout the contaminating life span to prevent off-site effects.
		• Emphasized the need for robust monitoring, transparency, and continued involvement throughout permitting and operations regarding groundwater.	• Committed to on-going monitoring, information sharing, and continued engagement with WIFN through permitting, operations, and future approvals.

Reviewer	Date Comments Received	Summary of Comments Received	Summary of WM's Response
		Further clarification was requested on slope-related equipment operability, slope failure relevance, waste placement sequencing, leachate risk and contingencies, post-closure site limitations, and alternative method considerations.	Indicated that several concerns would be addressed as part of the detailed design or through documents in support of the ECA approval, and additional text would be provided to describe slope failure.
Agencies			
MECP	- January 30, 2026 - February 2, 2026 - February 5, 2026 - March 2, 2026	Request for the EA Study Report to meet various EA Code of Practice requirements.	Confirmed that the EA Study Report would be revised as requested.
		Strengthening consultation record by adding more detail to comments/concerns received from agencies and communities and other engagement activities such as PICs.	Committed to enhancing the consultation record in the EA by adding additional summaries of comments/concerns raised from agencies and communities.
		Indicated clearer documentation needed for required approvals, including identification of applicable permits, approval authorities, and governing legislation.	Revisions would be made to the EA Study Report to clearly identify required approvals, applicable legislation, and approval authorities.
		Further clarification on technical reports including mitigation measures, commitments for on-site leachate facility development and infrastructure figures.	Agreed to provide additional clarification in the EA Study Report regarding mitigation measures, infrastructure details, emergency management, leachate management, and lifecycle planning.
		Request for additional information on mitigation measures related to soil and aggregate stockpiling to avoid potential effects on species at risk.	Agreed to provide a description of soil and aggregate stockpiling practices, confirm habitat suitability conclusions for the stockpiles, and identify mitigation measures to avoid potential effects on species at risk.
		Recommended clarification on existing haul route traffic, including identification of primary access routes, distribution of site-related traffic, and clearer documentation of how hauling activities were considered.	Confirmed that the EA Study Report would be revised as requested.
MCM	February 13, 2026	The use of cultural heritage and archaeological terminology to be corrected. Add definitions from Provincial Planning Statement (2024).	Agreed to add clarification regarding cultural heritage and archaeological terminology in the EA. The Glossary will be updated as needed.

Reviewer	Date Comments Received	Summary of Comments Received	Summary of WM's Response
		Archaeological assessments remain preliminary until formally entered in Ontario's archaeological registry.	The Stage 1 AA was submitted in December 2023 and an expedited review request was submitted in June 2025. Review was not received prior to issuance of the Draft EA Study Report in November 2025. A revised Stage 1 AA was submitted in March 2026 and is expected to be entered into the Register prior to the submission of the final EA Study Report.
		Clarify conclusion about CHL 1.	Conclusions about CHL 1 will be modified.
Township of Warwick	February 17, 2026	Strengthen environmental protection commitments, particularly related to erosion and sediment control from the ESS, boron exceedances, air quality (dust and odour), and long-term monitoring and mitigation measures.	Acknowledged key environmental risks identified by the PRT and committed to continued mitigation through existing programs and adaptive management, with refinements to be documented and implemented through future approvals where appropriate.
		Improve clarity and consistency in EA documentation, including clearer baseline definitions, assumptions, comparisons among alternatives, wording of conclusions, and alignment across technical reports.	Agreed to revise the EA Study Report and supporting documents to improve clarity, consistency, and alignment of assumptions, baselines, and conclusions.
		Enhance monitoring and adaptive management approaches, including commitments to ongoing and future monitoring for surface water, air quality, noise, and operational effects, with provisions to adjust mitigation if impacts exceed predictions.	Restated its commitment to on-going monitoring across the associated disciplines and indicated that monitoring approaches would continue to be refined in consultation with the MECP through subsequent approval stages.
		Address community and municipal concerns more explicitly, particularly related to traffic, noise, dust, odour, ecological effects, and socio-economic considerations such as nuisance effects and property value perceptions.	Committed to clarifying EA language related to the relevant disciplines, while maintaining existing management frameworks and noting that additional mitigation was not required where effects were predicted to remain within acceptable limits.
County of Lambton	February 12, 2026	Concerns regarding dust, odour, and emissions from the landfill expansion and how exceedances at nearby receptors could cause nuisance conditions and emphasized need for stronger mitigation measures.	Acknowledged the potential for nuisance conditions at some receptors, confirmed that mitigation measures and BMPs would continue to be implemented and refined through design and ECA approvals.
		Request for further visual mitigation beyond existing measures and enhanced visual assessment methods.	Stated that existing vegetated screening berms, combined with ongoing monitoring and replacement planning, provide effective long-term visual mitigation.



Reviewer	Date Comments Received	Summary of Comments Received	Summary of WM's Response
		Concern for transportation analysis including missing background developments, outdated intersection configurations, minor volume balancing errors, and design speed discrepancies at the site entrance.	Indicated that the transportation assessment followed approved methods and confirmed no Project-related traffic impacts requiring changes to the EA.

6 Comment Response Tables

Comments received during the review of the Draft ECRs, Draft EARs, and Draft EA Study Report outlined in **Section 5.10**, and responses provided by WM were recorded separately from other comments received during the EA process. These comments and responses were tabulated to demonstrate how the comments were addressed by the study team.

The comment response tables are provided in **Appendix H**. Comments received during the PISs are tabulated in the individual PIS Summary Reports provided in **Appendix C**.

7 Commitment for On-going Consultation and Engagement

The final EA Study Report has been formally submitted to the MECP and circulated to agencies, Indigenous communities, and the public for review and comment. The Notice of Submission for the final EA Study Report has been posted to the Project website and published in local newspapers. Printed copies of the EA Study Report have been made available for public viewing at the locations identified in the Notice (**Appendix B**).

Agencies, Indigenous communities, and the public have been notified of the final EA Study Report review by email, mail, or through the applicable consultation protocol including a copy of the Notice and an accompanying letter as appropriate. The EA Study Report and supporting documents have also been made available on the Project website.

WM's future consultation activities will meet the requirements specified in the ECA and ECA amendment process. WM regularly consults with the Township of Warwick, County of Lambton and interested Indigenous communities about operational matters and environmental monitoring results. In addition, there is a long-established WPLC which includes community members, the Township, MECP, and WM representatives. The WPLC, which meets on a regular schedule to receive information on site operations and activities, has a responsibility to report back to the broader community regarding on-site development and operations.

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Participant Contact List



Agency Contact List

Agencies (Provincial/Federal/Municipal)

Type	Category	Agency	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	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 stclair@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	Conservation Authority	St. Clair Region Conservation Authority	Planning Ecologist	Sarah	Hodgkiss	205 Mill Pond Crescent		Strathroy	ON	N7G 3P9	519-245-3710 x234	shodgkiss@scrca.on.ca
Prov / GRT	Provincial	Ontario Provincial Police	West Region Provincial Liaison Team	John	Heene						519-282-7018	john.heene@opp.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	Ontario Provincial Police	Administrative Assistant Research and Program Evaluation Unit / Research Planning & Analysis Section	Jennifer	Davey	777 Memorial Avenue	1st Floor	Orillia	ON	L3V 7V3	705-309-2621	jennifer.davey@opp.ca
Prov / GRT	Provincial	Ontario Provincial Police	Manager(A), Research Planning & Analysis Section	Iris	Chan	777 Memorial Avenue	1st Floor	Orillia	ON	L3V 7V3		iris.chan@opp.ca
Prov / GRT	Provincial	Ontario Provincial Police	Administrative Assistant(A) Facilities Section	Abisola	Akinwumi	777 Memorial Avenue	2nd Floor	Orillia	ON	L3V 7V3	705-329-6825	abisola.akinwumi@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 Agriculture, Food and Rural Affairs	Rural Planner(A) Western Ontario Land Use Policy & Stewardship Food Safety and Environmental Policy Branch	Dana	Kieffer	6484 Wellington Road 7		Elora	ON	N0B 1S0	226-962-8933	dana.kieffer@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 Mines	Senior Strategic Initiatives Lead (Acting) Strategic Services Branch	Melanie	Johnson	933 Ramsey Lake Rd. Willet Green Miller Ctr	2nd Floor	Sudbury	ON	P3E 6B5	705-698-5041	melanie.johnson@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	erick.boyd@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources and Forestry	Environmental Planning Team Lead(A) Strategic and Indigenous Policy Branch, Policy Division	Keith	Johnston	300 Water St.	3rd Floor S	Peterborough	ON	K9J 3C7	705-313-6960	keith.johnston@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources and Forestry	District Supervisor (Acting) Aylmer District	Deanna	Lindblad	4890 Victoria Ave. N	PO Box 5000	Vineland	ON	L0R 2E0	289-407-4178	deanna.lindblad@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources	Supervisor (Acting)	Gillian	Hartman	300 Water St., Box 7000	4th Floor, South	Peterborough	ON	K9J 8M5		SR.Planning@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources	Regional Planning Coordinator	Cara	Holtby	300 Water St., Box 7000	4th Floor, South	Peterborough	ON	K9J 8M5	705-313-3463	Cara.Holtby@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources	Manager (Acting) Southern Region Land Use Planning and Strategic Issues Section			300 Water St., Box 7000	4th Floor, South	Peterborough	ON	K9J 8M5		SR.Planning@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources and Forestry	District Planner Land Use Planning Unit Southern Region Aylmer District	Karina	Cerniavskaja	615 John St. N		Aylmer	ON	N5H 2S8	519-200-2276	karina.cerniavskaja@ontario.ca
Prov / GRT	Provincial	Ministry of the Solicitor General	Director	Robert	Greene	25 Grosvenor Street	13th Floor	Toronto	ON	M7A 1Y6	416-277-2370	robert.greene@ontario.ca
Prov / GRT	Provincial	Ministry of the Solicitor General	Director (A), Facilities and Capital Planning Branch, Corporate Services Division	Fuad	Abdi	25 Grosvenor Street	13th Floor	Toronto	ON	M7A 1Y6	416-884-5932	fuad.abdi@ontario.ca
Prov / GRT	Provincial	Ministry of the Solicitor General	Senior Manager, Capital Planning	Christina	Kwan	25 Grosvenor Street	13th Floor	Toronto	ON	M7A 1Y6	647-201-6169	christina.kwan@ontario.ca

Type	Category	Agency	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	Email
Prov / GRT	Provincial	Ministry of the Solicitor General	Manager, Capital Projects (Acting) 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	56 Wellesley St W	16th Flr	Toronto	ON	M5S 2S3	416-660-1027	karla.barboza@ontario.ca
Prov / GRT	Provincial	Ministry of Citizenship and Multiculturalism	Heritage Planner	Joseph	Harvey		5th Floor	Toronto	ON	M7A 2R9	613-242-3743	joseph.harvey@ontario.ca
Prov / GRT	Provincial	Ministry of Citizenship and Multiculturalism	Heritage Planner	Anastasia	Abrazhevich	56 Wellesley St W	16th Flr	Toronto	ON	M5S 2S3	437-240-2379	Anastasia.Abrazhevich@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Special Project Officer (A), Environmental Assessment Services Environmental Assessment Branch	Stephen	Deneault	40 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1M2	437-247-3443	Stephen.Deneault@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Director, Environmental Assessment Branch	Kathleen	O'Neill	40 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1M2	647-287-5664	kathleen.oneill@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Special Project Officer	Cindy	Batista	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	437-248-0058	cindy.batista@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Manager(A), Environmental Assessment Services Environmental Assessment Branch	Andrew	Evers	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	647-961-4850	andrew.evers@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Supervisor, Environmental Assessment Program Support Environmental Assessment Branch	Nick	Colella	40 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1M2	416-358-9934	nick.colella@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Manager (Acting), Environmental Assessment Services Environmental Assessment Branch	Jake	Noordhof	40 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1M2	416-829-0941	jake.noordhof@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
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Senior Advisor - Outreach, Environmental Assessment Program Support Environmental Assessment Branch	Peter	Brown	40 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1M2	437-243-5010	peter.brown@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Manager (A), Waste Approvals Environmental Permissions Branch	Mohsen	Keyvani	40 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1M2	416-432-7253	mohsen.keyvani@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Manager, Sarnia District Office, Southwest Region	Sean	Morrison	1094 London Rd		Sarnia	ON	N7S 1P1	519-381-5536	sean.morrison@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	saifullah.sumbal@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	saifullah.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	Manager(A), London District Office	Pierre	Adrien	733 Exeter Rd		London	ON	N6E 1L3	226-919-6416	pierre.adrien@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Supervisor, Sarnia District Office	Mary Jane	Corda	1094 London Road		Sarnia	ON	N7S 1P1	226-932-1785	maryjane.corda@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Supervisor, Sarnia District Office	Peder	Garberg	1094 London Road		Sarnia	ON	N7S 1P1	519-490-3268	peder.garberg@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Water Compliance Supervisor, Owen Sound District, Southwest Region	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	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	Senior Environmental Officer, London District Office	Nicole	Does	733 Exeter Rd		London	ON	N6E 1L3	519-870-3050	Nicole.Does@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Senior Project Officer (A)	Jordan	Hughes	40 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1M2	437-770-6953	Jordan.Hughes@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Project Officer	Abdulrahim	Mohamed	40 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1M2	437-335-6352	Abdulrahim.Mohamed@ontario.ca
Prov	Provincial	Lambton-Kent-Middlesex	MPP	Monte	McNaughton	81 Front Street West		Strathroy	ON	N7G 1X6	519-245-8696	Minister.MLITSD@ontario.ca monte.mcnaughtonCO@pc.ola.org
Prov	Provincial	Lambton-Kent-Middlesex	MPP			81 Front Street West		Strathroy	ON	N7G 1X6	519-245-8696	lambton-kent-middlesex@pc.ola.org
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	Wes	Plant	4905 Dufferin Street		Toronto	ON	M3H 5T4	416-739-4272	wesley.plant@ec.gc.ca

Type	Category	Agency	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	Email
Fed / GRT	Federal	Environment and Climate Change Canada	Section Manager, Environmental Assessment, Environmental Protection Branch	Jeremy	Anglesey	351, boul. Saint-Joseph		Gatineau	QC	K1A 0H3	819-743-8419	jeremy.anglesey@ec.gc.ca
Fed / GRT	Federal	Environment and Climate Change Canada	Regional Director (Acting), Environmental Protection Operations (ON), Environmental Protection Branch	Rob	Clavering	4905 Dufferin St.		Downsview	ON	M3H 5T4	416-458-9670	EA-EE.Ontario@ec.gc.ca
Municipal												
Mun / GRT	Municipal	Lambton Public Health	Medical Officer of Health	Dr. Sudit	Ranade	160 Exmouth Street		Point Edward	ON	N7T 7Z6	519-383-8331	publichealth@county-lambton.on.ca
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	Planner – Development Services	Johan	Chandy	789 Broadway St.		Wyoming	ON	N0N 1T0	226-848-3926 x6036	johan.chandy@county-lambton.on.ca
Mun / GRT	Municipal	County of Lambton	CAO	Stéphane	Thiffeault	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-0801	stephane.thiffeault@county-lambton.on.ca
Mun	Municipal	County of Lambton	CAO	Ron	Van Horne	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-5410	ron.vanhorne@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	Manager, Planning & Development Services	Ken	Melanson	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-0801 x5342	ken.melanson@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	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	matt.deline@county-lambton.on.ca
Mun	Municipal	County of Lambton	Public Works Technologist	Laura	Blain							laura.blain@county-lambton.on.ca
Mun	Municipal	County of Lambton	Public Works Technologist	Glen	Miller	160 Exmouth St.		Point Edward	ON	N7T 7Z6	519-845-0801 x 5311	glen.miller@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@warwicktowship.ca
Mun / GRT	Municipal	Township of Warwick	Fire Chief, Watford Station	Rick	Sittington	520 Ontario Street		Watford	ON	N0M 2S0	519-490-4337	watfordfire@warwicktowship.ca
Mun / GRT	Municipal	Township of Warwick	CAO/Clerk	Amanda	Gubbels	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(226) 848-3926	agubbels@warwicktowship.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	rvanhorne@warwicktowship.ca
Mun	Municipal	Township of Warwick	Treasurer/Deputy Administrator	Trevor	Jarrett	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(226) 848-3926	tjarrett@warwicktowship.ca
Mun	Municipal	Township of Warwick	Manager/Drainage Superintendent, Public Works	Andrew	Maver	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(226) 848-3926	amaver@warwicktowship.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@warwicktowship.ca
Mun	Municipal	Township of Warwick	Mayor	Jackie	Rombouts	6332 Nauvoo Road		Watford	ON	N0M 2S0	519-464-3634	jackie_rombouts@hotmail.com
Mun	Municipal	Township of Warwick	Mayor	Todd	Case	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	519-490-4533	tcase@warwicktowship.ca
Mun	Municipal	Township of Warwick	Councillor	Colin	Mitchell	6332 Nauvoo Road		Watford	ON	N0M 2S0	226-235-2337	mitcheilcolin24@gmail.com
Mun	Municipal	Township of Warwick	Deputy Mayor/Councillor	John	Couwenberg	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	519-490-4372	jcouwenberg@warwicktowship.ca
Mun	Municipal	Township of Warwick	Councillor	Wayne	Morris	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	519-383-2332	wmorris@warwicktowship.ca
Mun	Municipal	Township of Warwick	Councillor	Jerry	Westgate	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(519) 876-2519	jwestgate@warwicktowship.ca
Mun	Municipal	Township of Warwick	Councillor	Todd	White	6332 Nauvoo Road		Watford	ON	N0M 2S0	519-617-6917	whitet72@icloud.com
Mun	Municipal	Township of Warwick	Councillor	Joe	Manning	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	519-520-5918	jmanning@warwicktowship.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@warwicktowship.ca
Mun / PRT	Municipal	Garrod Pickfield (Township of Warwick Public Review Team)	Associate	Alex	Ciccone	9 Norwich Street W.		Guelph	ON	N1H 2G8	226-217-3000	aciccone@garrodpickfield.ca
Mun	School Board	Conseil Scolaire Catholique Providence	Director of Education	Joseph	Picard	7515 Forest Glade Drive		Windsor	ON	N8T 3P5	519-948-9227 x240	picajose@cscprovidence.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	John	Howitt	200 Wellington Street		Sarnia	ON	N7T 7L2	519-336-1500 x31297	john.howitt@lkdsb.net
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	Scott	Johnson	420 Creek Street		Wallaceburg	ON	N8A 4C4	519-627-6762 x10240	scott.johnson@st-clair.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

█ = contact replaced or removed as requested



Indigenous Community Contact List

Indigenous Communities/Organizations

Indigenous Community/Organization	Title	First Name	Last Name	Address 1	Address 2	City	Province	Postal Code	Phone	Email
Aamjiwnaang First Nation	Chief	Chris	Plain			Samia	ON			
Aamjiwnaang First Nation	Chief	Janelle	Nahmabin			Samia	ON			
Aamjiwnaang First Nation	Environment Coordinator	Lynn	Rosales			Samia	ON			
Walpole Island First Nation – Bkejwanong Territory	Chief	Charles	Sampson			Walpole Island	ON			
Walpole Island First Nation – Bkejwanong Territory	Chief	Dan	Miskokomon			Walpole Island	ON			
Walpole Island First Nation – Bkejwanong Territory	Chief	Leela	Thomas			Walpole Island	ON			
Walpole Island Heritage Centre	Senior Advisor	Dean	Jacobs			Wallaceburg	ON			
Walpole Island First Nation – Bkejwanong Territory										
Walpole Island Heritage Centre	Community Engagement Programs Officer	Peter	Mayhew			Walpole Island	ON			
Walpole Island First Nation – Bkejwanong Territory										
Walpole Island First Nation – Bkejwanong Territory		Craig	Collins			Walpole Island	ON			
Walpole Island First Nation – Bkejwanong Territory		Elaina	Wrightman			Walpole Island	ON			
Walpole Island First Nation – Bkejwanong Territory		Ralph	Riley			Walpole Island	ON			
Walpole Island First Nation – Bkejwanong Territory		Shannon	White			Walpole Island	ON			
Walpole Island First Nation – Bkejwanong Territory		Toni	Nahdee			Walpole Island	ON			
Walpole Island First Nation – Bkejwanong Territory		Ed	Isaac			Wallaceburg	ON			
Walpole Island First Nation – Bkejwanong Territory		Taylor	Myers			Walpole Island	ON			
Walpole Island First Nation – Bkejwanong Territory		Kelf	Kizouzh							
Walpole Island First Nation – Bkejwanong Territory		Mark	Sanas							
Walpole Island First Nation – Bkejwanong Territory		Lenny	Peters							
Walpole Island First Nation – Bkejwanong Territory		Charlene	Altman							
Walpole Island First Nation – Bkejwanong Territory		Theo	Bludlife							
Walpole Island First Nation – Bkejwanong Territory		Nathan	Smith			Wallaceburg	ON			
Walpole Island First Nation – Bkejwanong Territory		Laura	Nahdee			Wallaceburg	ON			
Walpole Island First Nation – Bkejwanong Territory		Matt	Nahdee			Wallaceburg	ON			
Walpole Island First Nation – Bkejwanong Territory		Josephine	Belleau			Walpole Island	ON			
Walpole Island First Nation – Bkejwanong Territory		Ralph	Biley			Wallaceburg	ON			
Walpole Island First Nation – Bkejwanong Territory		Carol	Peters			Wallaceburg	ON			
Walpole Island First Nation – Bkejwanong Territory		Alexandra	Beveridge							
Walpole Island Heritage Centre	Project Review Coordinator	Janet	MacBeth			Wallaceburg	ON			
Walpole Island First Nation – Bkejwanong Territory										
Caldwell First Nation	Chief	Nikki	van Oirschot			Leamington	ON			
Caldwell First Nation	Chief	Mary	Duckworth			Leamington	ON			
Caldwell First Nation	Consultation Coordinator	Jenna	Maidment			Leamington	ON			
Caldwell First Nation	Consultation Coordinator	Michelle	McCormack			Leamington	ON			
Caldwell First Nation	Environment & Consultation Department Manager	Zack	Hamm			Leamington	ON			
Caldwell First Nation		Melanie	Thomas			Leamington	ON			
Caldwell First Nation	Director of Operations (Acting)	Tammy	Jolicoeur			Leamington	ON			
Chippewas of Kettle and Stony Point First Nation	Chief	Jason	Henry			Kettle Point	ON			
Chippewas of Kettle and Stony Point First Nation	Chief	Kimberly	Bressette			Kettle Point	ON			
Chippewas of Kettle and Stony Point First Nation	Consultation Department (Three Fires)									
Chippewas of Kettle and Stony Point First Nation		Crystal	Sansom-Houser							
Chippewas of Kettle and Stony Point First Nation		Jennifer SK	George							
Chippewas of Kettle and Stony Point First Nation		Candice	Rice			Lambton Shores	ON			
Chippewas of Kettle and Stony Point First Nation		Anastasia	Shawna			Lambton Shores	ON			
Chippewas of Kettle and Stony Point First Nation		Nicole	Monague							
Chippewas of Kettle and Stony Point First Nation		Connie	George							
Chippewas of Kettle and Stony Point First Nation		Morgan	George							
Chippewas of Kettle and Stony Point First Nation		Rudy	Bressette							
Chippewas of Kettle and Stony Point First Nation		Rachel	Wolfe			Lambton Shores	ON			
Chippewas of Kettle and Stony Point First Nation		Savannah	Cloud							
Chippewas of Kettle and Stony Point First Nation		Deb	Cloud			Lambton Shores	ON			
Chippewas of Kettle and Stony Point First Nation		Cheyenne	Cloud			Lambton Shores	ON			
Chippewas of the Thames First Nation	Chief	Jacqueline	French			Muncey	ON			
Chippewas of the Thames First Nation	Chief	Joe	Miskokomon			Muncey	ON			
Chippewas of the Thames First Nation	Consultation Coordinator	Fallon	Burch			Muncey	ON			
Chippewas of the Thames First Nation	Consultation Analyst	Erna	Leclair			Muncey	ON			
Delaware Nation at Moraviantown	Chief	Denise	Stonefish			Thamesville	ON			
Delaware Nation at Moraviantown	Chief	Justin	Logan			Thamesville	ON			

Indigenous Community/Organization	Title	First Name	Last Name	Address 1	Address 2	City	Province	Postal Code	Phone	Email
Delaware Nation at Moraviantown	Lands & Resource Consultation Assistant	Cheyenne	Hopkins							
Munsee Delaware Nation	Chief	Mark	Peters			Muncey	ON			
Munsee Delaware Nation	Chief	Roger	Thomas			Muncey	ON			
Oneida Nation of the Thames	Chief	Adrian	Chrisjohn			Southwold	ON			
Oneida Nation of the Thames	Chief	J. Todd	Cornelius			Southwold	ON			
Métis Nation of Ontario – Lands, Resources & Consultations Branch	Director - Lands, Resources and Consultations (LRC) Branch									

= contact replaced or removed as requested



Warwick Public Liaison Committee (WPLC) Contact List

Warwick Public Liaison Committee

Category	Organization Name	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	Email
WPLC	Warwick Public Liaison Committee	Chair	Mary Lynn	Metras			Tillsonburg	ON			
WPLC	Warwick Public Liaison Committee	Vice Chair	Jackie	Rombouts			Watford	ON			
WPLC	Warwick Public Liaison Committee	Secretary	Amanda	Gubbels							
WPLC	Warwick Public Liaison Committee		Peter	Braet			Watford	ON			
WPLC/MECP	Warwick Public Liaison Committee		Nicole	Does			Sarnia	ON			
WPLC	Warwick Public Liaison Committee		Marcie	Parker			Watford	ON			
WPLC	Warwick Public Liaison Committee		Alex	McDonald			Watford	ON			
WPLC	Warwick Public Liaison Committee		Colin	Mitchell							
WPLC	Warwick Public Liaison Committee		Wayne	Morris							
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	Garrod Pickfield LLP		Peter	Pickfield			Guelph	ON			
WPLC	Warwick Public Liaison Committee		Betsy	Rombouts			Watford	ON			
WPLC/TRT	Citizens Environmental Consulting		Wilf	Ruland			Dundas	ON			
WPLC	Warwick Public Liaison Committee		Elsie	Timmers			Watford	ON			
WPLC	Warwick Public Liaison Committee		Gerry	Van Diepen			Watford	ON			
WPLC	Warwick Public Liaison Committee		Karen	Wesley			Watford	ON			
WPLC	Warwick Public Liaison Committee	Councillor	Jerry	Westgate			Watford	ON			
WPLC	Warwick Public Liaison Committee		Todd	White			Watford	ON			
WPLC	Warwick Public Liaison Committee		Lily	Braet			Watford	ON			
WPLC	Warwick Public Liaison Committee		Holly	Watson			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		Mike	Harris			Sarnia	ON			
WPLC/MECP	Warwick Public Liaison Committee - MECP		Amanda	Seaman			Sarnia	ON			
WPLC	Warwick Public Liaison Committee		Violet	Caley							

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Public Contact List

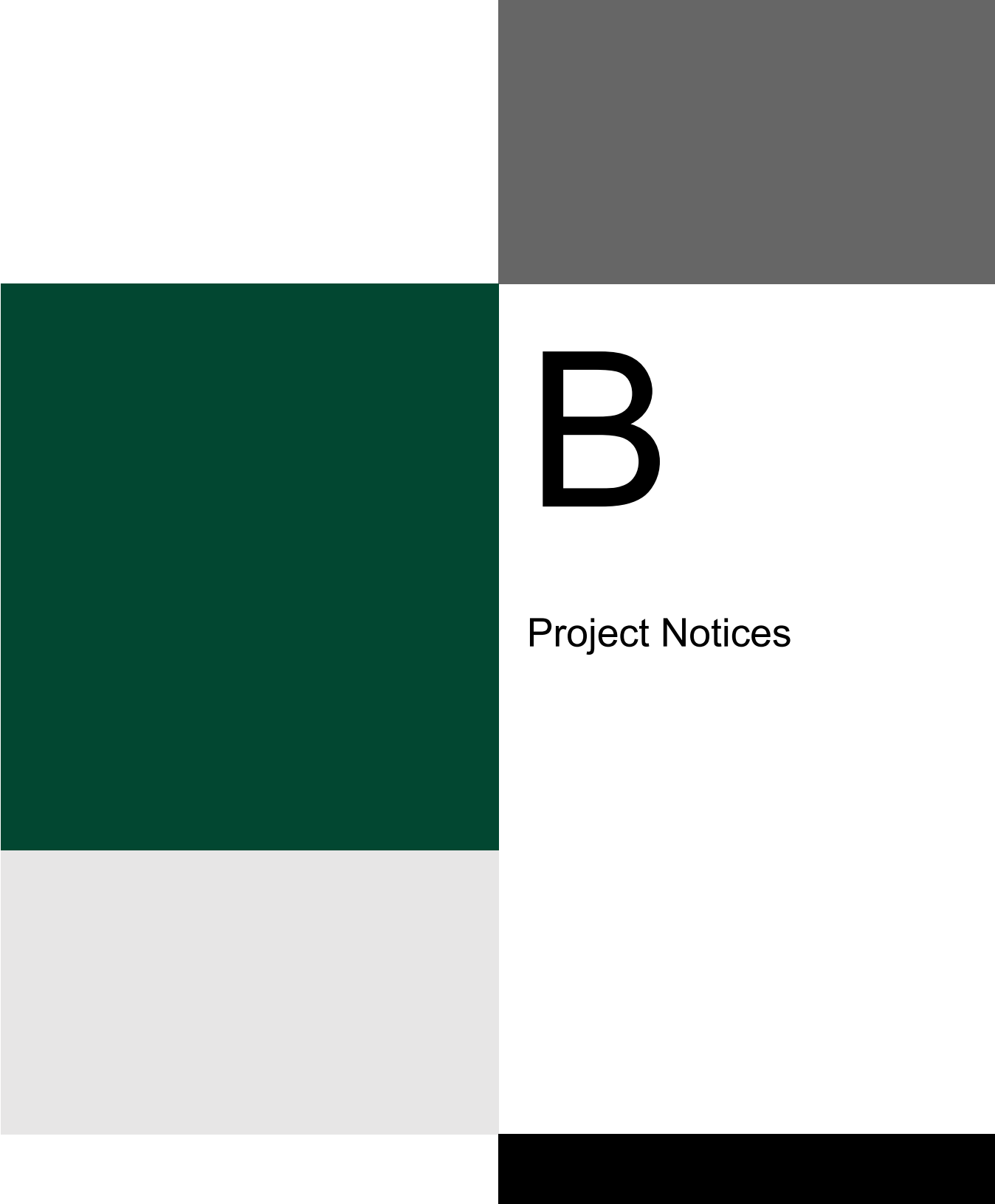
Public

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			
Joan	Bryce				Watford	ON			
Patricia	Bork				Watford	ON			
Kevin	C								
John & Violet	Caley				Watford	ON			
Kristina	Case				Watford	ON			
Pamela	Cameron								
Carolyn	Cornelissen	2605487 Ontario Ltd.			Watford	ON			
Mike	Cornelissen	Cornelissen Farm Inc.			Watford	ON			
John	Cowenberg				Watford	ON			
Bill	Davies				Watford	ON			
Wiebren	de Boer				Watford	ON			
Nancy	DeJem				Watford	ON			
Klaas	de Jong				Watford	ON			
Paul	de Rond				Watford	ON			
Ruth	Downie				Watford	ON			
Laine and Nat	Facchin				Watford	ON			
Tracey	Fisher				Watford	ON			
Trisha	Flury				Watford	ON			
Marinda	Frayne				Watford	ON			
Kari & Jason	Fuller				Watford	ON			
Brenda & Adam	Fuller				Watford	ON			
Darcy	Fuller				Watford	ON			
Jessica	Fuller				Watford	ON			
Adam	Gilliland				Watford	ON			
Gerard	Glavin				Arkona	ON			
Sara	Harper				Watford	ON			
John	Harris				Watford	ON			
Megan	Henkoop				Watford	ON			
Judy	Irwin				Watford	ON			
Ron & Lynn	Jariott				Watford	ON			
Terry	Jariott				St. Marys	ON			
Julie	Jarriott				St. Marys	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			
Steve	Leliveld				Watford	ON			
Sonya	MacKenzie				Watford	ON			
Sherie	MacLachlan				Watford	ON			

First Name	Last Name	Company	Address 1	Address 2	City	Prov	Postal Code	Phone	Email
Taylor	Maris	Chatham-Kent Lambton Administrative School Services			Wallaceburg	ON			
Joe & Laurie	McCormick				Watford	ON			
Bruce	McDonald				Watford	ON			
Christie	Mccabe				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			
D	Muxlow				Watford	ON			
Pat	Muxlow				Watford	ON			
Cheryl	Muxlow				Watford	ON			
Deanna	Muxlow				Watford	ON			
William	Nugent				Watford	ON			
John	O'Neil				Watford	ON			
Mac	Parker				Watford	ON			
Kevin	Peters				Watford	ON			
B	Peddle				Watford	ON			
Sharon	Plunkett				Watford	ON			
Connie	Rankin				Watford	ON			
Greg	Rankin				Watford	ON			
Marion & Brian	Rankin				Watford	ON			
Steven	Roe				Watford	ON			
Betsy	Rombouts				Watford	ON			
Keith	Ryan				Watford	ON			
Jacky	Saul				Watford	ON			
Brian & Sandy	Sanders				Watford	ON			
Shawn	Scott								
Paul	Shanahan								
Christine	Shea				Watford	ON			
Vera	Smith				Watford	ON			
Mike	Snow				Watford	ON			
Kathy	Soetemans				Warwick Township	ON			
Beth	Steele				Watford	ON			
John	Stephenson				Watford	ON			
Rebecca	Stewart	Libro Credit Union							
Anna-Lee	Straatman				Watford	ON			
Adrian	Tamminga				Watford	ON			
Pete	Timmermans				Watford	ON			
Lisa	Timmers				Watford	ON			
Bill	Trenouth				Watford	ON			
Rebecca	Turner				Warwick	ON			
Jeremy	Van Haaren	All Season Excavating			Watford	ON			
Jeremy	Van Haaren				Watford	ON			
Mike	Van Kessel				Warwick Twp.	ON			
Harry	Van Lieshout				Watford	ON			
Larry	Van Lieshout				Watford	ON			

First Name	Last Name	Company	Address1	Address 2	City	Prov	Postal Code	Phone	Email
Chris	Van Loon				Watford	ON			
John & Jill	Van Loon				Watford	ON			
Dave	Vanos				Warwick Township	ON			
John	Veeke				Arkona	ON			
Lynda/Frank	Veens/Vandeschoot				Watford	ON			
Chad	Verberne				Watford	ON			
Joe	Verstraten				Watford	ON			
Holly	Watson				Watford	ON			
Jerry	Westgate				Watford	ON			
Mary Ann	Williamson				Watford	ON			
Heather	Wright	The Petrolia-Lambton Independent			Petrolia	ON			
Garry	Worsfold				Watford	ON			
Kathy	Zavitz				Watford	ON			
		F&J Vanden Heuvel & Sons Ltd.			Watford	ON			
		Rongate Farms Ltd.			Watford	ON			
		Twin Creeks Greenhouse			Watford	ON			
		Watford Cemetery Board			Watford	ON			

 = contact replaced or removed

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B

Project Notices



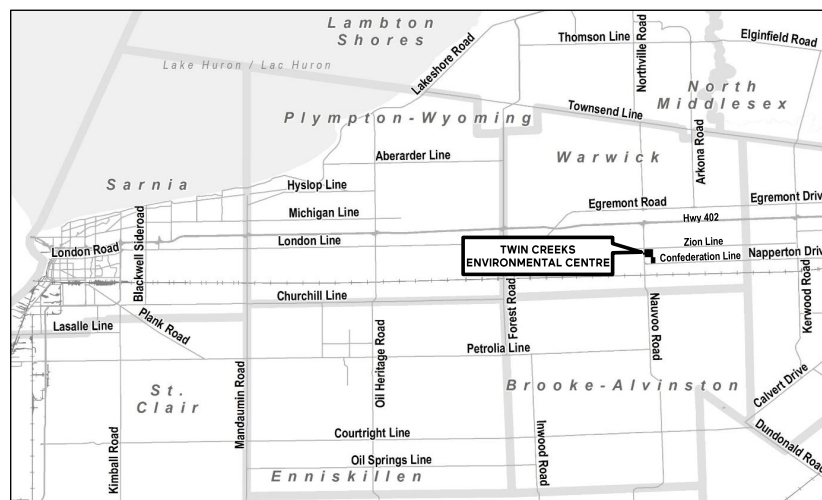
Notice of Commencement of Environmental Assessment Twin Creeks Environmental Centre Landfill Optimization

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

There are approximately 8 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 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 serving 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 8 years of capacity.

LOCATION MAP



The Process

On December 13, 2022, the Minister of the Environment, Conservation and Parks approved the amended Terms of Reference (ToR) for the Twin Creeks Environmental Centre Landfill Optimization Project. A copy of the approved ToR is available on the project website www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project.

The EA will be carried out according to the approved ToR and the requirements of the *Ontario Environmental Assessment Act*. The results of the EA will be documented in an EA Study Report, which will be submitted to the Ministry of Environment, Conservation and Parks for review.

Consultation and Engagement

Members of the public, agencies, Indigenous communities, and other interested persons are encouraged to actively participate in the planning of the undertaking by participating in consultation and engagement opportunities or contacting staff directly with information, comments or questions. Consultation and engagement events are planned throughout the EA and are anticipated to include: 1) project introduction, EA process overview, project milestones, consultation and engagement opportunities; 2) description of existing environmental conditions, alternative methods, evaluation criteria; 3) results of assessment and comparative evaluation, identification of preferred alternative; and 4) draft EA study report. These events will be advertised in local newspapers, on the project website www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project, and by direct and/or electronic mail (email).

A **Public Information Session** will be held on **Wednesday, April 19, 2023** to introduce the landfill optimization project and provide an overview of the EA process, and present anticipated project milestones and consultation and engagement opportunities. The Public Information Session will take place at the **Waste Management Twin Creeks Site Office, 5768 Nauvoo Road, Watford, ON** from **4 p.m. to 8 p.m.**

You are invited to submit any comments by mail, email, or phone to the project contacts listed below. If you would like to be added to the project mailing list or have project-related questions, please contact:

Wayne Jenken
Area Landfill Manager, Eastern Canada Area
WM Canada
5768 Nauvoo Road, Watford, ON N0M 2S0
Phone: 519.849.5810
E-mail: wjenken@wm.com

Larry Fedec, P.Eng. M.B.A.
Solid Waste Program Lead, Canada
HDR Corporation
100 York Blvd., Suite 300, Richmond Hill, ON L4B 1J8
Phone: 289.695.4696
E-mail: larry.fedec@hdrinc.com

All personal information included in your request – such as name, address, telephone number and property location – is collected under the authority of section 30 of the *Environmental Assessment Act* and is collected and maintained for the purpose of creating a record that is available to the general public. As this information is collected for the purpose of a public record, the protection of personal information provided in the *Freedom of Information and Protection of Privacy Act* (FIPPA) does not apply. Personal information you submit will become part of a public record that is available to the general public unless you request that your personal information remain confidential.

Notice of Public Information Session 2



Twin Creeks Environmental Centre Landfill Optimization Project Environmental Assessment

November 29 & December 5, 2023 | 4 - 8 PM

Twin Creeks Environmental Centre
5768 Nauvoo Road, 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 2** for the TCEC Landfill Optimization Project Environmental Assessment (EA).

There are approximately 8 years of approved landfill airspace capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project would provide additional airspace of approximately 14 million cubic metres, 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 purpose of the EA is to assess the potential effects of the Project on the environment.

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 2 is being held to:

- Provide an update on the EA
- Present a screening of Alternative Methods
- Provide a summary of Existing Conditions
- 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 29 and December 5.

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.
Solid Waste Program Lead,
Canada
HDR Corporation
100 York Blvd., Suite 300,
Richmond Hill, ON L4B 1J8
289.695.4696
larry.fedec@hdrinc.com



Notice of Public Information Session 3

Twin Creeks Environmental Centre Landfill Optimization Project Environmental Assessment

November 27, 2024 | 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 3** 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 8 years of approved landfill airspace capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project will provide additional airspace of approximately 14 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 area, approved service area, or annual fill rate.

Three (3) Alternative Methods for the vertical landfill expansion have been assessed and a Preferred Alternative has been identified.

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 3 is being held to:

- Provide an update on the EA
- Present the Alternative Methods
- Present the preliminary results of the effects assessment for the Alternative Methods
- Present the preliminary results of the comparative evaluation that was conducted to select a Preferred Alternative
- 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 27.

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.
Solid Waste Program Lead,
Canada
HDR Corporation
100 York Blvd., Suite 300,
Richmond Hill, ON L4B 1J8
289.695.4696
larry.fedec@hdrinc.com

Draft Effects Assessment Reports have been prepared for each environmental discipline. These reports will be available on the project website for review during the following period:

December 6, 2024 to January 31, 2025

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



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



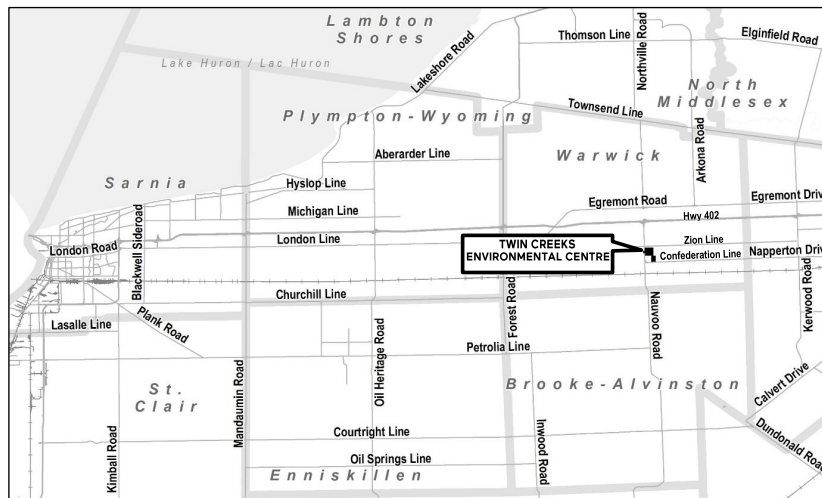
Notice of Submission of Environmental Assessment Twin Creeks Environmental Centre Landfill Optimization

WM Canada (WM) has completed the environmental assessment (EA) for the Twin Creeks Environmental Centre (TCEC) Landfill Optimization Project. The TCEC is located in the Township of Warwick near the Village of Watford, at the corner of Nauvoo Road and Zion Line, within the County of Lambton (see Location Map below). As required under section 17.7(1) of the *Environmental Assessment Act* and according to the Terms of Reference approved by the Minister of the Environment, Conservation and Parks on December 13, 2022, WM has submitted its EA to the Ministry of the Environment, Conservation and Parks for review and a decision.

There are approximately 5 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 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 area, approved service area, or annual fill rate.

The TCEC landfill provides safe and convenient disposal services for communities, businesses and industries serving 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 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 5 years of capacity.

LOCATION MAP



As required under the *Environmental Assessment Act*, the environmental assessment will be available for public review and comment from **June 26, 2026 to August 14, 2026**. You may review the environmental assessment during normal business hours at the following locations:

**Township of Warwick
Municipal Office**
5280 Nauvoo Road
Watford, ON N0M 2S0

Watford Library
5317 Nauvoo Road
Watford, ON N0M 2S0

**WM Twin Creeks Environmental
Centre Site Office**
5768 Nauvoo Road
Watford, ON N0M 2S0

The documentation is also available for review and comment on the WM project website: www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project.

Anyone wishing to provide comments on the environmental assessment must submit their comments in writing by mail and/or email to the Ministry of the Environment, Conservation and Parks by **August 14, 2026**. All comments must be submitted to:

Stephen Deneault, Special Project Officer
Ministry of the Environment, Conservation and Parks
Environmental Assessment Branch
40 St. Clair Ave West, Toronto, ON M4V 1M2
Phone: 437-247-3443
E-mail: Stephen.Deneault@ontario.ca

A copy of all comments will be forwarded to the proponent for its consideration.

If you have any questions or need further information about this project, please contact:

Wayne Jenken
Landfill Engineering Manager, Canada Area
WM Canada
5768 Nauvoo Road, Watford, ON N0M 2S0
Phone: 519-849-5810
E-mail: wjenken@wm.com

Larry Fedec, P.Eng. M.B.A.
Senior Environmental Engineer
HDR Corporation
100 York Blvd., Suite 300, Richmond Hill, ON L4B 1J8
Phone: 416-571-2130
E-mail: larry.fedec@hdrinc.com

All personal information included in a submission – such as name, address, telephone number and property location – is collected, maintained and disclosed by the Ministry of the Environment, Conservation and Parks (MECP) for the purpose of transparency and consultation. The information is collected under the authority of the *Environmental Assessment Act* or is collected and maintained for the purpose of creating a record that is available to the general public as described in section 37 of the *Freedom of Information and Protection of Privacy Act*. Personal information you submit will become part of a public record that is available to the general public unless you request that your personal information remain confidential. For more information, contact the MECP Freedom of Information and Privacy Coordinator.

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Public Information Session Summary Reports

Public Information Session 1 Summary Report



Twin Creeks Environmental Centre Landfill
Optimization Project Environmental Assessment

WM Canada

Watford, Ontario

July 7, 2023

Prepared by:

HDR Corporation
100 York Blvd., Suite 300
Richmond Hill, ON K4B 1J8





Contents

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2	Overview of Public Information Session 1.....	2
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4	Venue and Attendance.....	3
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6	Summary of Comments/Issues.....	4

Tables

Table 6-1. Summary of Comments Received from Public Comment Forms	4
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Appendices

Appendix A	Notice of Commencement
Appendix B	Public and Agency Mailing List
Appendix C	Newspaper Advertisements
Appendix D	Indigenous Community Mailing List
Appendix E	Completed Sign-In Sheet
Appendix F	Public Information Session Content
Appendix G	Public Comment Form
Appendix H	Completed Public Comment Forms

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 8 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 the approximately 14 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 8 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 1 for the EA, which was carried out on April 19, 2023.

2 Overview of Public Information Session 1

Public Information Session 1 was held to provide background on the TCEC, present an overview of the TCEC Landfill Optimization Project including the need for the project and the considered alternatives to the project, provide an overview of the EA process and evaluation process, introduce the general study areas, and provide an overview of the planned consultation and engagement activities during the EA.

The Public Information Session was held at the TCEC site office. Display panels were set up on easels around the room. 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 forms 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 1 via the Notice of Commencement of Environmental Assessment (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 1,914 recipients starting on April 4, 2023. The Notice was sent via email to agencies, municipalities, organizations, and members of the public on the mailing list on April 5, 2023. Hard copies were also mailed to contacts on the mailing list without email addresses on April 5, 2023. The mailing list of agencies, municipalities, organizations, and members of the public that received notification is provided in **Appendix B**.

The Notice was published in three newspapers: The Sarnia Observer on April 4 and 13, 2023; The Independent of Petrolia and Central Lambton on April 6, 2023; and Sarnia This Week on April 13, 2023. Copies of the newspaper advertisements are provided in **Appendix C**.

A copy of the Notice was uploaded to the project website on April 5, 2023.

3.2 Indigenous Community Notification

The following Indigenous communities and groups were notified of Public Information Session 1 via the Notice sent by Canada Post Xpresspost and email on April 4, 2023 and April 5, 2023, respectively:

- 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.

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

4 Venue and Attendance

Public Information Session 1 took place on Wednesday, April 19, 2023, at the WM Twin Creeks Site Office, 5768 Nauvoo Road, 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 26 people in addition to WM and consulting staff.

WM staff included:

- Wayne Jenken, Landfill Engineering Manager;
- John McDonald, Senior District Manager;
- Jessica Kropf, Communications Leader;
- Luiza Adsett, Senior Manager, Public Affairs; and
- Angela McLachlan, Environmental Compliance Manager.

Consulting staff included:

- Larry Fedec, HDR (Project Manager).

5 Information Presented

Information was presented on 13 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:

- background information on the TCEC;

- an overview of the TCEC Landfill Optimization Project;
- the need for the project;
- alternatives to the project that were considered;
- an overview of the EA process;
- the general study areas for the EA;
- planned consultation and engagement activities;
- ways that people can participate in the EA;
- next steps for the EA; and
- project staff contact information.

A copy of the display panels for Public Information Session 1 is available on the project website at: <https://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 May 3, 2023. A copy of the comment form was also made available on the project website.

Two (2) completed comment forms were received. The comments received are summarized in **Table 6-1**. Comments will be considered in the development of the EA, and written responses will be included in the Record of Consultation and Engagement for the EA as appropriate. Copies of the completed comment forms are included in **Appendix H**.

Table 6-1. Summary of Comments Received from Public Comment Forms

1. My interest in the project is: (please check all that apply)			
1	residential property	1	air quality (dust, noise, odour)
0	business	0	ecology (plants, wildlife)
0	member of interest group	2	groundwater / surface water
0	agency representative	2	land use / visual
0	other:	2	transportation

2. Please provide any general comments about the information presented at this Public Information Session.
A total of 2 responses were received to this question. General comments included the following: • Create a scale model of the project • Revise permit to allow on-site recycling
3. After reviewing the information presented, do you have any additional comments, concerns, questions, or recommendations regarding the current operations at the Twin Creeks Environmental Centre or the proposed project? (Yes/No)
A total of 2 responses were received to this question (2 yes). The responses included the following: • Odour is perceived as an on-going issue that will become a bigger issue with increase in landfill height along with runoff and leachate disposal • Improve the waste stream by removing renewables and other non-waste articles
4. Do you have any specific comments or questions regarding the Environmental Assessment Process, Evaluation Process, and/or Study Areas? (Yes/No)
A total of 2 responses were received to this question (2 yes). The responses included the following: • Increase the study area by 3x as the landfill is going 3x higher • Increased landfill height will increase odour in Watford and what will be done to mitigate this?
5. Do you have any specific comments, questions, or recommendations regarding the consultation and engagement opportunities? (Yes/No)
A total of 2 responses were received to this question (2 yes). The responses included the following: • Include a sign at the road to direct attendees on where to park • Few residents receive newspapers and most flyers are just recycled without being read, so perhaps social media could be used with a regular bi-weekly update regarding the landfill
6. Are there any other questions or concerns you have about the Environmental Assessment? (Yes/No)
A total of 2 responses were received to this question (2 yes). The responses included the following: • Open meetings with presentations on all aspects of the project • Have open question and answer period for all residents to engage in • Concern about original liner thickness and ability to support the additional height and weight load

Verbal Comments, key issues and discussions at the event included:

- What alternatives are being considered, why is a horizontal alternative being considered?
- What is the proposed height of the vertical expansion? Can more trees be planted?
- How much money does the Township receive each year from WM?
- Will the impact payment zones be changed?
- Management of litter off-site.
- Odour issues associated with the landfill.
- How many more consultation events will be held?

- What studies are being undertaken and what is the timeline?

Verbal comments received during the Public Information Session were addressed by staff as they were received.

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Notice of Commencement



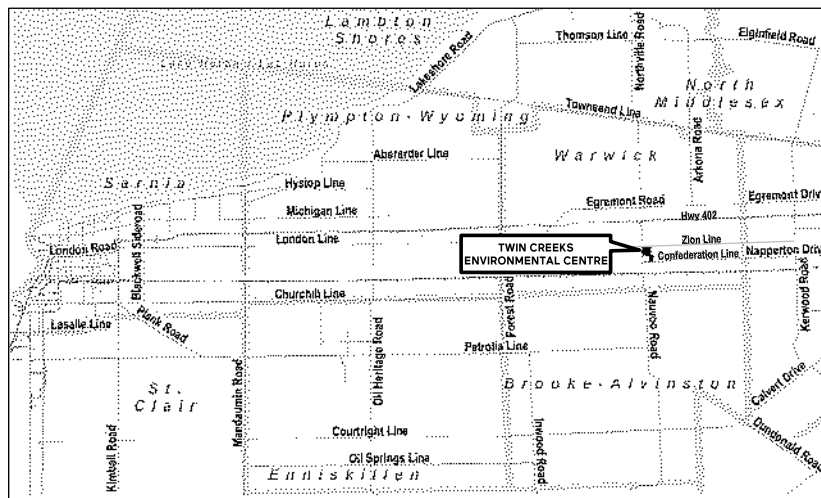
Notice of Commencement of Environmental Assessment Twin Creeks Environmental Centre Landfill Optimization

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

There are approximately 8 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 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 serving 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 8 years of capacity.

LOCATION MAP



The Process

On December 13, 2022, the Minister of the Environment, Conservation and Parks approved the amended Terms of Reference (ToR) for the Twin Creeks Environmental Centre Landfill Optimization Project. A copy of the approved ToR is available on the project website www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project.

The EA will be carried out according to the approved ToR and the requirements of the *Ontario Environmental Assessment Act*. The results of the EA will be documented in an EA Study Report, which will be submitted to the Ministry of Environment, Conservation and Parks for review.

Consultation and Engagement

Members of the public, agencies, Indigenous communities, and other interested persons are encouraged to actively participate in the planning of the undertaking by participating in consultation and engagement opportunities or contacting staff directly with information, comments or questions. Consultation and engagement events are planned throughout the EA and are anticipated to include: 1) project introduction, EA process overview, project milestones, consultation and engagement opportunities; 2) description of existing environmental conditions, alternative methods, evaluation criteria; 3) results of assessment and comparative evaluation, identification of preferred alternative; and 4) draft EA study report. These events will be advertised in local newspapers, on the project website www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project, and by direct and/or electronic mail (email).

A **Public Information Session** will be held on **Wednesday, April 19, 2023** to introduce the landfill optimization project and provide an overview of the EA process, and present anticipated project milestones and consultation and engagement opportunities. The Public Information Session will take place at the **Waste Management Twin Creeks Site Office, 5768 Nauvoo Road, Watford, ON** from **4 p.m. to 8 p.m.**

You are invited to submit any comments by mail, email, or phone to the project contacts listed below. If you would like to be added to the project mailing list or have project-related questions, please contact:

Wayne Jenken
Area Landfill Manager, Eastern Canada Area
WM Canada
5768 Nauvoo Road, Watford, ON N0M 2S0
Phone: 519.849.5810
E-mail: wjenken@wm.com

Larry Fedec, P.Eng. M.B.A.
Solid Waste Program Lead, Canada
HDR Corporation
100 York Blvd., Suite 300, Richmond Hill, ON L4B 1J8
Phone: 289.695.4696
E-mail: larry.fedec@hdrinc.com

All personal information included in your request – such as name, address, telephone number and property location – is collected under the authority of section 30 of the *Environmental Assessment Act* and is collected and maintained for the purpose of creating a record that is available to the general public. As this information is collected for the purpose of a public record, the protection of personal information provided in the *Freedom of Information and Protection of Privacy Act* (FIPPA) does not apply. Personal information you submit will become part of a public record that is available to the general public unless you request that your personal information remain confidential.

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Public and Agency
Mailing List

Agencies (Provincial/Federal/Municipal)

Type	Category	Agency	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	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	Provincial	Ontario Provincial Police	Administrative Assistant Research and Program Evaluation Unit / Research Planning & Analysis Section	Jennifer	Davey	777 Memorial Avenue	1st Floor	Orillia	ON	L3V 7V3	705-309-2621	jennifer.davey@opp.ca
Prov / GRT	Provincial	Ministry of Agriculture, Food and Rural Affairs	General Email									omafra_eanotices@ontario.ca
Prov / GRT	Provincial	Ministry of Mines	Manager of Strategic Support Unit (Acting) Strategic Services Branch	Tracey	Burton	933 Ramsey Lake Rd.Wille	2nd Floor	Sudbury	ON	P3E 6B5	705-918-1609	tracey.burton@ontario.ca
Prov / GRT	Provincial	Ministry of Mines	Senior Strategic Initiatives Lead (Acting) Strategic Services Branch	Melanie	Johnson	933 Ramsey Lake Rd. Willet Green Miller Ctr	2nd Floor	Sudbury	ON	P3E 6B5	705-698-5041	melanie.johnson@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	erick.boyd@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources and Forestry	Environmental Planning Team Lead(A) Strategic and Indigenous Policy Branch, Policy Division	Keith	Johnston	300 Water St.	3rd Floor S	Peterborough	ON	K9J 3C7	705-313-6960	keith.johnston@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources and Forestry	District Supervisor (Acting) Aylmer District	Deanna	Lindblad	4890 Victoria Ave. N	PO Box 5000	Vineland	ON	L0R 2E0	289-407-4178	deanna.lindblad@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources and Forestry	District Planner Land Use Planning Unit Southern Region Aylmer District	Karina	Cerniavskaja	615 John St. N		Aylmer	ON	N5H 2S8	519-200-2276	karina.cerniavskaja@ontario.ca
Prov / GRT	Provincial	Ministry of the Solicitor General	Director, Facilities and Capital Planning Branch, Corporate Services Division	Fuad	Abdi	25 Grosvenor Street	13th Floor	Toronto	ON	M7A 1Y6	416-884-5932	fuad.abdi@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	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	Special Project Officer	Cindy	Batista	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	437-248-0058	cindy.batista@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Manager(A), Environmental Assessment Services Environmental Assessment Branch	Andrew	Evers	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	647-961-4850	andrew.evers@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
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, Waste Approvals Environmental Permissions Branch	Mohsen	Keyvani	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	416-432-7253	mohsen.keyvani@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Manager, Sarnia District Office, Southwest Region	Sean	Morrison	1094 London Rd		Sarnia	ON	N7S 1P1	519-381-5536	sean.morrison@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	saifullah.sumbal@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Manager(A), London District Office	Pierre	Adrien	733 Exeter Rd		London	ON	N6E 1L3	226-919-6416	pierre.adrien@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Supervisor, Sarnia District Office	Mary Jane	Corda	1094 London Road		Sarnia	ON	N7S 1P1	226-932-1785	maryjane.corda@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Senior Environmental Officer, Sarnia District Office	Michael	Harris	1094 London Road		Sarnia	ON	N7S 1P1	289-241-1535	michael.harris@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Senior Environmental Officer, London District Office	Nicole	Does	733 Exeter Rd		London	ON	N6E 1L3	519-870-3050	Nicole.Does@ontario.ca
Prov	Provincial	Lambton-Kent-Middlesex	MPP	Monte	McNaughton	81 Front Street West		Strathroy	ON	N7G 1X6	519-245-8696	Minister.MLITSD@ontario.ca monte.mcnaughtonCO@pc.ola.org
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	Wes	Plant	4905 Dufferin Street		Toronto	ON	M3H 5T4	416-739-4272	wesley.plant@ec.gc.ca

Type	Category	Agency	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	Email
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	819-420-7651	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 2Z6	(519) 383-8331	publichealth@county-lambton.on.ca
Mun / GRT	Municipal	Lambton Public Health	Public Health Inspector	Theresa	Warren	160 Exmouth Street		Point Edward	ON	N7T 2Z6	519-383-8331	theresa.warren@county-lambton.on.ca
Mun / GRT	Municipal	County of Lambton	CAO	Stéphane	Thiffeault	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-0801	stephane.thiffeault@county-lambton.on.ca
Mun	Municipal	County of Lambton	CAO	Ron	Van Horne	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-5410	ron.vanhorne@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	Manager, Planning & Development Services	Ken	Melanson	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-0801 x5342	ken.melanson@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	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	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	Sittington	520 Ontario Street		Watford	ON	N0M 2S0	519-490-4337	watfordfire@warwicktownship.ca
Mun / GRT	Municipal	Township of Warwick	CAO/Clerk	Amanda	Gubbels	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(226) 848-3926	agubbels@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	tjarrett@warwicktownship.ca
Mun	Municipal	Township of Warwick	Manager/Drainage Superintendent, Public Works	Andrew	Maver	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(226) 848-3926	amaver@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	519-849-3947	wmorris@warwicktownship.ca
Mun	Municipal	Township of Warwick	Councillor	Jerry	Westgate	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(519) 876-2519	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	School Board	Conseil Scolaire Catholique Providence	Director of Education	Joseph	Picard	7515 Forest Glade Drive		Windsor	ON	N8T 3P5	519-948-9227 x240	pica jose@cscprovidence.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	John	Howitt	200 Wellington Street		Sarnia	ON	N7T 7L2	519-336-1500 x31297	john.howitt@lkdsb.net
Mun	School Board	St. Clair Catholic District School Board	Director of Education	Scott	Johnson	420 Creek Street		Wallaceburg	ON	N8A 4C4	519-627-6762 x10240	scott.johnson@st-clair.net

█ = contact replaced or removed as requested

Warwick Public Liaison Committee

Category	Organization Name	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	Email
WPLC	Warwick Public Liaison Committee	Chair	Mary Lynn	Metras			Thamesville	ON			
WPLC	Warwick Public Liaison Committee		Marcie	Parker			Watford	ON			
WPLC	Warwick Public Liaison Committee		John	O'Neil			Arkona	ON			
WPLC	Warwick Public Liaison Committee		Mac	Parker			Watford	ON			
WPLC/TRT	Garrod Pickfield LLP		Peter	Pickfield			Guelph	ON			
WPLC	Warwick Public Liaison Committee		Betsy	Rombouts			Watford	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		Holly	Watson			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		Mike	Harris			Sarnia	ON			

 = contact replaced or removed as requested

Public

First Name	Last Name	Company	Address1	Address 2	City	Prov	Postal Code	Phone	Email
Ken and Sherry	Aarts								
Patricia	Bork				Watford	ON			
John & Violet	Caley				Watford	ON			
Alex	Ciccone	Garrod Pickfield LLP							
Carolyn	Cornelissen	2605487 Ontario Ltd.			Watford	ON			
Mike	Cornelissen	Cornelissen Farm Inc.			Watford	ON			
Wiebren	de Boer				Watford	ON			
Klaas	de Jong				Watford	ON			
Tracey	Fisher				Watford	ON			
Ron	Jariott				Watford	ON			
Heather	Joosten				Watford	ON			
Kim	Leliveld								
Paul	Leliveld				Watford	ON			
Taylor	Maris	Chatham-Kent Lambton Administrative School Services			Wallaceburg	ON			
Joseph	Mezenberg				Watford	ON			
Glen	Millar				Wyoming	ON			
Paul	Morden	The Sarnia Observer			Sarnia	ON			
Kevin	Peters				Watford	ON			
Connie	Rankin				Watford	ON			
Marion & Brian	Rankin				Watford	ON			
Shawn	Scott								
Christine	Shea				Watford	ON			
Rebecca	Stewart	Libro Credit Union							
Heather	Wright	The Independent of Petrolia and Central Lambton							
Larry	Van Lieshout				Watford	ON			
Lynda/Frank	Veens/Vandeschoot				Watford	ON			
Kathy	Zavitz				Watford	ON			
		F&J Vanden Heuvel & Sons Ltd.			Watford	ON			
		Rongate Farms Ltd.			Watford	ON			
		Twin Creeks Greenhouse			Watford	ON			
		Watford Cemetery Board			Watford	ON			

 = contact replaced or removed

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C

Newspaper Advertisements

CLASSIFIEDS

Legal & Tender Notices



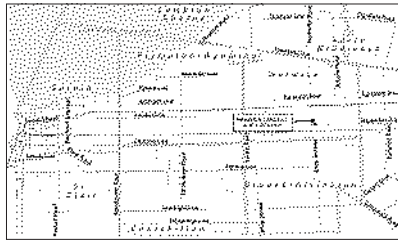
Notice of Commencement of Environmental Assessment Twin Creeks Environmental Centre Landfill Optimization

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Wayne Jenken	Larry Fedec, P.Eng. M.B.A.
Area Landfill Manager, Eastern Canada Area	Solid Waste Program Lead, Canada
WM Canada	HDR Corporation
5768 Nauvoo Road, Watford, ON N0M 2S0	100 York Blvd., Suite 300, Richmond Hill, ON L4B
Phone: 519.849.5810	1J8
E-mail: wjenken@wm.com	Phone: 289.695.4696
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Published April 4, 2023

Sarnia & Lambton County This Week

Carriers Deliver Every Thursday
There is No Collecting or Inserting
These routes are coming down or being delivered
By an Observer Contractor

ROUTE #SF4004

This route is located on Bright & George. It has 75 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$25.50.

ROUTE #SF2003 - SOUTH END

This route is located on Brock S. Devine, Vidal S. Talfourd. It has 152 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$51.28.

ROUTE #SF153

This route is located on Giffel, Lang, Linden Way, Lockhart & Lombardy. It has 90 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$30.60.

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ROUTE #SF7006

This route is located on Athlone, Grey & Lansdowne N. It has 69 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$23.46.

ROUTE #SF8002

This route is located on Lansdown, Beesborough, Laura, Leckie St., Laurent & Thompson. It has 127 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$43.18.

ROUTE #SF384

This route is located on Howston, Rowe & Lakeshore. It has 44 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$14.96.

ROUTE SF153

This route is located on Giffel, Lang, Linden Way, Lockhart & Lombardy. It has 92 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$31.28.

ROUTE SF4017

This route is located on Dundas, Maxwell, Napier & Nelson. It has 72 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$24.48.

ROUTE #SF5017

This route is located on Alice, Confederation, Campbell, Sutton & Whitmore. It has 114 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$38.76.

ROUTE SF18

This route is located on Cambrian, Ryerson & Tawny. It has 46 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$15.64.

ROUTE #SF274

This route is located on Germain, Kensington, Minto, Tunis & Tweedsmuir. It has 116 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. just over \$30.44.

ROUTE #SF285

This route is located on Indian Rd. (1159 to 1464). It has 57 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$19.35.

ROUTE #SF4001

This route is located on Davis, Kathleen & Wellington. It has 152 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$51.68.

ROUTE #SF197 - WILTSHIRE

This route is located on Hazelwood, Wiltshire and Winchester. It has 85 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. just over \$28.90.

ROUTE #SF195 - WILTSHIRE

This route is located on Cambridge, Newton & Stafford. It has 38 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. just over \$12.92.

ROUTE #SF8021 - SHERWOOD

This route is located on Barrington, Oaklea & Oakburne. It has 56 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. just over \$19.04.

Contact: Penny Churchill

519-344-3641 ext. 502259 • pchurchill@postmedia.com

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ROUTE SF930 - BRIGDEN

This route is located on Boswell, Jane & Brigden Rd. It has 65 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$22.10.

SF346 - BRIGHTS GROVE

This route is located on Driftwood. It has 32 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$10.88.

SF2802 - WYOMING

This route is located on Broadway, Main, Niagara, Ontario & Thames. It has 92 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$15.64.

Contact: Penny Churchill
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pchurchill@postmedia.com

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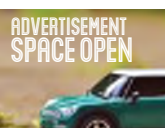
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Lakeshore closure surprise in PW

Heather Wright
The Independent

Plympton-Wyoming councillors are frustrated they didn't hear about a major construction project which will shut part of Lakeshore Road for the summer.

Starting April 11, Lakeshore Road will be closed from Aberarder Line and Hillcrest Road as the county works on a \$2.1 million rehabilitation of the Bonnie Doon Bridge. The project is expected to be complete in September but until then travellers face a detour that for some could be as much as nine kilometres.

The signs notifying drivers of the coming detour went up last week and that's when councillors started getting calls.

"When they see those signs, our phone rings, our staff's phone rings, and it just would have been nice to have the information in front of us in advance," says Plympton-Wyoming Councillor Alex Boughen. He questioned whether the municipality had any input on whether the road would be closed or if the lanes could be reduced.

Public Works Manager Adam Sobanski says county officials "don't necessarily get into the weeds" of the issue when they decide whether to close a road. Sobanski says "it came down to that their cost would have been increased by just shy of double to do it in a phased approach," he told councillors.

Sobanski added the town does receive the county's five year capital plan each year, however the information in it isn't always

passed on to council members.

Boughen said aside from the lack of information flowing to councillors, the county hasn't consulted with residents or local business people about how the closure will affect them over the summer months. Councillor Bob Woolvett agreed. "These county roads are within our community, and affects our community and our ratepayers," Woolvett urged Mayor Gary Atkinson, who is a member of county council, to bring the issue up.

Atkinson says he plans to address the road closure "especially in our our disappointment of not being notified and as well as the undue stress that puts on our residents and extra travel time."

Jason Cole, Lambton's general manager of infrastructure, says the county publishes the five year plan and distributes it to municipalities each year. "I recognize that not that doesn't always provide enough time for multi year planning for closure."

And he says the county could have released more details to the public earlier but "if we had told people six months ago, we'd be having this conversation six months ago. If we had told people a year and a half ago, we'd be having this conversation..."

"We very much appreciate everybody's patience and cooperation on these projects. Because we do know that there's big impacts and we know how important it is for people to get to where they need to go quickly for the other 20 years when the structure is fixed."

Enniskillen taxes climb three per cent

Blake Ellis
Local Journalism Initiative

Enniskillen taxpayers will have to shell out three per cent more for municipal taxes this year.

Enniskillen Township's budget passed without a hitch on April 3. A balanced budget of \$4,398,600 was presented at the March 20 council meeting and this remained relatively unchanged.

Township Clerk/Treasurer Duncan McTavish made some changes to the budget including increasing the amount budgeted for the township's legal fees from \$500 to \$5,000 and \$500 for installing 911 property signs instead of \$50. The projected interest revenue was increased to offset these increases and balance the budget.

Major projects which will be under taken this year include the work on Rokeby Line at the Bear Creek Bridge at a projected cost of \$500,000. This will include moving a section of the road north by the width of one lane while also seeing the construction of swales on both the north and the south side of the

road to redirect water into Bear Creek.

There is \$450,000 set aside in the 2023 budget to dig up some soft spots and do some asphalt work on Shiloh Line between Tile Yard Road and Marthaville Road. Road reconstruction was completed in 2022 on this portion of road at a cost of \$97,600.

Road Superintendent Mike Cummings was at the meeting to answer any questions before the budget was passed. Councillor Mary Lynne McCallum asked him why there wasn't a five year plan regarding roadwork for the township. Cummings said the practice fell by the wayside during the pandemic. McCallum brought up the issue of not having a five-year plan for roads during the March 20 meeting.

Work on the Krall Park washrooms is planned for 2023 at an estimated cost of \$330,000. Grants from the federal and provincial governments amount to \$222,800. The remaining \$97,200 will be funding by the township with \$35,000 coming from the park reserve.

• THE INDEPENDENT

Natural gas can't be diverted to Warwick

CON'T FROM PG 1

Waste Management Spokesperson Jessica Kropf says the company has a "growing network of RNG plants and the mot landfill gas-to-electricity plants in North America" although the Watford RNG plant is one of the first being built in Canada. Kropf says it's part of the company's goal to reduce greenhouse gas emissions by 42 per cent by 2032.

Kropf says the plant will produce natural gas of the "equivalent to the energy required to heat over 35,000 Ontario homes. If the project moves forward and commences full operations, it is expected to help address Ontario's greenhouse gas emissions target with an estimated reduction of 70,000 tons of CO2 per year - the equivalent of taking 28,000 cars off the road."

The construction is expected to create 100 full-time jobs and then five to 10 full time jobs for the operation and maintenance of the plant.

Meantime, WM said a request by Warwick Mayor Todd Case to divert the natural gas created at the site to Warwick township is simply not possible.

"The RNG produced at Twin Creeks will be injected into an Enbridge transmission main, operated at high pressure. As well the RNG will be unodorized...The RNG is not suitable for distribution to local homes. WM understands that there are separate initiatives being looked at for extending gas distribution into different parts of Warwick township however, these initiatives are not connected to the Twin Creeks RNG project," said Kropf in an email.



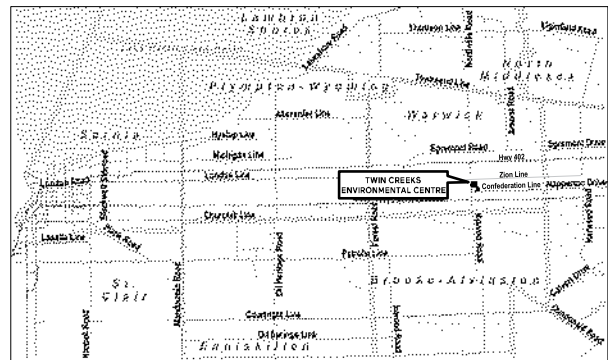
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Published April 5, 2023

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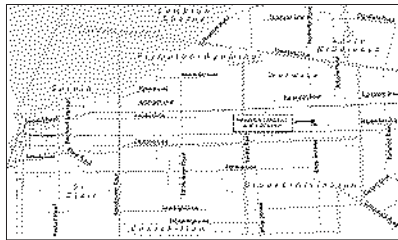
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THE OBSERVER

TUES. THURS. SAT.

SO259 This route is located on Elrick, Lori, Randy, McGee and Mills. It has 20 Observer customers (Tues. Thurs. & Sat.) and 39 flyers to be delivered once a week (Thurs.). Your profit every two weeks is approx. \$32.00.

Contact: Penny Churchill
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pchurchill@postmedia.com

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This route is located on Bright & Cromwell. It has 46 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$15.64.

ROUTE #SF8002

This route is located on Lansdown, Beesborough, Laura, Leslie St., Laurent & Thompson. It has 127 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$43.18.

ROUTE #SF384

This route is located on Howston, Rowe & Lakeshore. It has 44 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$14.96.

ROUTE SF153

This route is located on Giffel, Lang, Linden Way, Lockhart & Lombardy. It has 92 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$31.28.

ROUTE #SF4017

This route is located on Dundas, Maxwell, Napier & Nelson. It has 72 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$24.48.

ROUTE #SF5017

This route is located on Alice, Confederation, Campbell, Sutton & Whitmore. It has 114 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$38.76.

ROUTE SF18

This route is located on Cambrian, Ryerson & Tawny. It has 46 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$15.64.

ROUTE #SF8004 - CARDIFF ACRES

This route is located on Fairview & Cardiff Dr. It has 80 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. just over \$27.20.

ROUTE #SF285

This route is located on Indian Rd. (1159 to 1464). It has 57 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$19.38.

ROUTE #SF4001

This route is located on Davis, Kathleen & Wellington. It has 152 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$51.68.

ROUTE #SF197 - WILTSHIRE

This route is located on Hazelwood, Wiltshire & Winchester. It has 85 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. just over \$26.90.

ROUTE #SF195 - WILTSHIRE

This route is located on Cambridge, Newton & Stafford. It has 38 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. just over \$12.92.

ROUTE #SF8021 - SHERWOOD

This route is located on Barrington, Oaklea & Oakburne. It has 56 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. just over \$19.04.

Contact: Penny Churchill
519-344-3641 ext. 502259 • pchurchill@postmedia.com

CLASSIFIEDS!

SELL YOUR STUFF HERE!

To place your employment ad call 1-877-750-5054, email classifieds@postmedia.com or go to working.theobserver.ca and select List A Job

To place your Pet Post call 1-877-750-5054, email classifieds@postmedia.com or go to classifieds.theobserver.ca and select place an ad



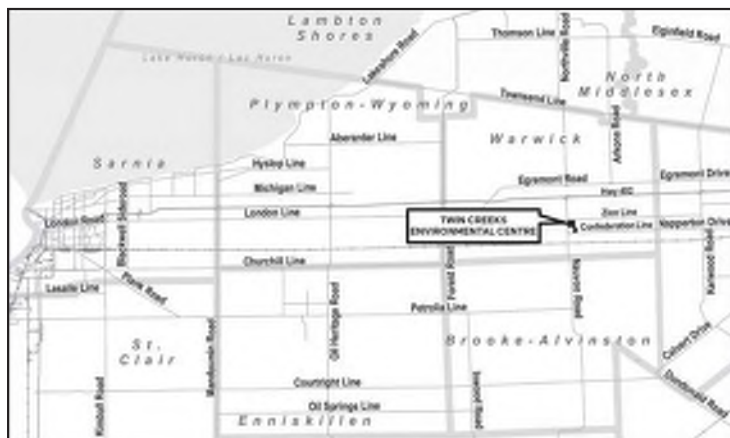
Notice of Commencement of Environmental Assessment Twin Creeks Environmental Centre Landfill Optimization

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

There are approximately 8 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 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 serving 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 8 years of capacity.

LOCATION MAP



The Process

On December 13, 2022, the Minister of the Environment, Conservation and Parks approved the amended Terms of Reference (ToR) for the Twin Creeks Environmental Centre Landfill Optimization Project. A copy of the approved ToR is available on the project website www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project.

The EA will be carried out according to the approved ToR and the requirements of the *Ontario Environmental Assessment Act*. The results of the EA will be documented in an EA Study Report, which will be submitted to the Ministry of Environment, Conservation and Parks for review.

Consultation and Engagement

Members of the public, agencies, Indigenous communities, and other interested persons are encouraged to actively participate in the planning of the undertaking by participating in consultation and engagement opportunities or contacting staff directly with information, comments or questions. Consultation and engagement events are planned throughout the EA and are anticipated to include: 1) project introduction, EA process overview, project milestones, consultation and engagement opportunities; 2) description of existing environmental conditions, alternative methods, evaluation criteria; 3) results of assessment and comparative evaluation, identification of preferred alternative; and 4) draft EA study report. These events will be advertised in local newspapers, on the project website www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project, and by direct and/or electronic mail (email).

A **Public Information Session** will be held on **Wednesday, April 19, 2023** to introduce the landfill optimization project and provide an overview of the EA process, and present anticipated project milestones and consultation and engagement opportunities. The Public Information Session will take place at the **Waste Management Twin Creeks Site Office, 5768 Nauvoo Road, Watford, ON** from **4 p.m. to 8 p.m.**

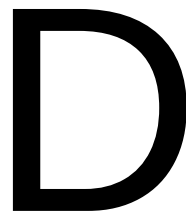
You are invited to submit any comments by mail, email, or phone to the project contacts listed below. If you would like to be added to the project mailing list or have project-related questions, please contact:

Wayne Jenken
Area Landfill Manager,
Eastern Canada Area
WM Canada
5768 Nauvoo Road, Watford,
ON N0M 2S0
Phone: 519.849.5810
E-mail: wjenken@wm.com

Larry Fedec, P.Eng. M.B.A.
Solid Waste Program Lead,
Canada
HDR Corporation
100 York Blvd., Suite 300,
Richmond Hill, ON L4B 1J8
Phone: 289.695.4696
E-mail: larry.fedec@hdrinc.com

All personal information included in your request - such as name, address, telephone number and property location - is collected under the authority of section 30 of the Environmental Assessment Act and is collected and maintained for the purpose of creating a record that is available to the general public. As this information is collected for the purpose of a public record, the protection of personal information provided in the Freedom of Information and Protection of Privacy Act (FIPPA) does not apply. Personal information you submit will become part of a public record that is available to the general public unless you request that your personal information remain confidential.

Published April 4, 2023

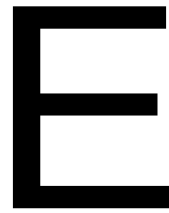
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D

Indigenous Community Mailing List

Indigenous Communities/Organizations

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Completed Sign-In Sheet



Public Information Session 1

Twin Creeks Environmental Centre Landfill Optimization Project EA

April 19, 2023

5768 Nauvoo Road, Watford, ON N0M 2S0

Name	Address	Phone Number	Email
HL * Karen Wood			
Theresa Warren			
Mike Richardson			
MIKE LELIVELD			
Marylyn Metras			
LYNN MORRIS			
Ken Melanson			
MIKE SNOW			
Lily + Anthony Braet			
Peter Braet			
Amara Gubbins			
Jennifer Mills (COTT)			
Mac Pal			
PAUL LELIVELD			
Joe Mezenberg			
Deanna Muxlow			
Diana Wright			
TODD CASE			
JERRY WESTGATE			
LAT MUXLOW			
Pete Tanson			
Ken + Sherry Gerts			

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Public Information Session Content



Twin Creeks Environmental Centre

Landfill Optimization Project Environmental Assessment

Public Information Session 1

April 19, 2023

Welcome

Public Information Session 1 is being held to present:

- Background information on the Twin Creeks Environmental Centre
- An overview of the Twin Creeks Environmental Centre Landfill Optimization Project
- The Environmental Assessment (EA) process
- Project Milestones
- Consultation and Engagement opportunities



WM staff and consultants are available to answer your questions

Twin Creeks Environmental Centre

- Regional facility serving the Province of Ontario.
- Provides safe and convenient disposal services for communities, businesses and industries.
- Engineered with environmental protection systems that meet or exceed regulatory requirements and are subject to highly regulated monitoring and reporting requirements including:
 - engineered liners and covers
 - leachate collection and removal
 - landfill gas collection and control
 - leachate management through on-site phytoremediation and off-site disposal
- Contributes annual host community fees and municipal property taxes to the Township of Warwick (over \$32.7M in host community fees since 2009).
- Landfill gas produced by the landfill is collected and currently flared. A portion of collected landfill gas is provided to the adjacent 40-acre greenhouse facility for heating purposes.
- Twin Creeks recently announced the development of a Renewable Natural Gas Facility for the beneficial use of landfill gas.

Greenhouse
facility



Twin Creeks Environmental Centre Overview

Year Opened
1972

First Year Operated by WM
1996

Projected Life Remaining
~8.4 years

Total Area
301 ha

Permitted Landfill Footprint
101.8 ha

Approved Capacity
~26.5M m³

Remaining Capacity
~11.6M m³

Annual Fill Rate
1.4M tonnes/year

Site Overview



Project Overview



The purpose of the project is to provide **additional landfill airspace of up to approximately 14M m³** and **extend site life by approximately 12 years** (from 2031 to 2043).

This would be achieved through **optimizing the Expansion Landfill design and operation**, maximizing the use of the constructed infrastructure and significant investment made at the Twin Creeks Environmental Centre.

The additional capacity would be achieved through either a **vertical expansion within the currently-approved 101.8 ha Expansion Landfill footprint** or a **horizontal expansion within the 301 ha site**.

No changes are proposed to the:

- current 301 ha site area
- approved service area
- annual fill rate

Need for the Project

- **Lack of sufficient and secure long-term disposal capacity available in Ontario** – the Ontario Waste Management Association estimates that there is currently **approximately 12.5 years of disposal capacity remaining in Ontario**.
- There are **three large private landfill sites in southern Ontario**, including the Twin Creeks Environmental Centre (TCEC), **all operating at their approved annual limits**.
- Approximately 2.5M to over 3M tonnes of post-recycling and diversion residual **waste generated in Ontario is disposed of in Michigan** each year.
- There is a **need for additional landfill capacity at the TCEC** as it is a **significant component of the provincial waste management network and infrastructure**.
- The **TCEC receives 1.4M tonnes of post-recycling and diversion residual waste each year**.
- **Continued operation of the TCEC aligns with provincial legislation** including the Province of Ontario's Strategy for a Waste Free Ontario, Climate Change Action Plan goal of reducing GHG emissions, and the Made in Ontario Environment Plan.
- **Optimizing the future development of the TCEC allows for on-going sustainable business operations and continued provision of essential financial support for community services and programs.**

Based on current landfill operations and waste configuration (i.e., side slopes and final elevation), **the EA process must be started now to have the necessary approvals in place to allow for an efficient implementation of the Landfill Optimization Project.**

This will also provide longer-term certainty of service continuity to WM's customers beyond the remaining 8 years of capacity.



Alternatives to the Project

During the Terms of Reference process, WM identified a range of 'alternatives to' the project for providing additional long-term disposal capacity that would be appropriate and reasonable for them, a private-sector company, to implement:

1. Do nothing – this is the status quo, and the existing approved airspace capacity would remain unchanged.
2. Redirect waste to a disposal facility elsewhere (transport material to other approved disposal facilities in Ontario and/or the U.S.).
3. Develop a new WM disposal facility (establish a new disposal facility in an area capable of serving the customer base of the TCEC).
4. Develop additional disposal capacity within the 301 ha TCEC site area.

Landfill optimization within the 301 ha TCEC site area (Alternative 4) is the only reasonable option for WM.

This alternative will:

- Optimize the current landfill design and operation.
- Maximize the use of the constructed infrastructure and significant investment made at the facility.
- Avoid constructing a new landfill elsewhere, or the added financial implications and emissions associated with waste transport.

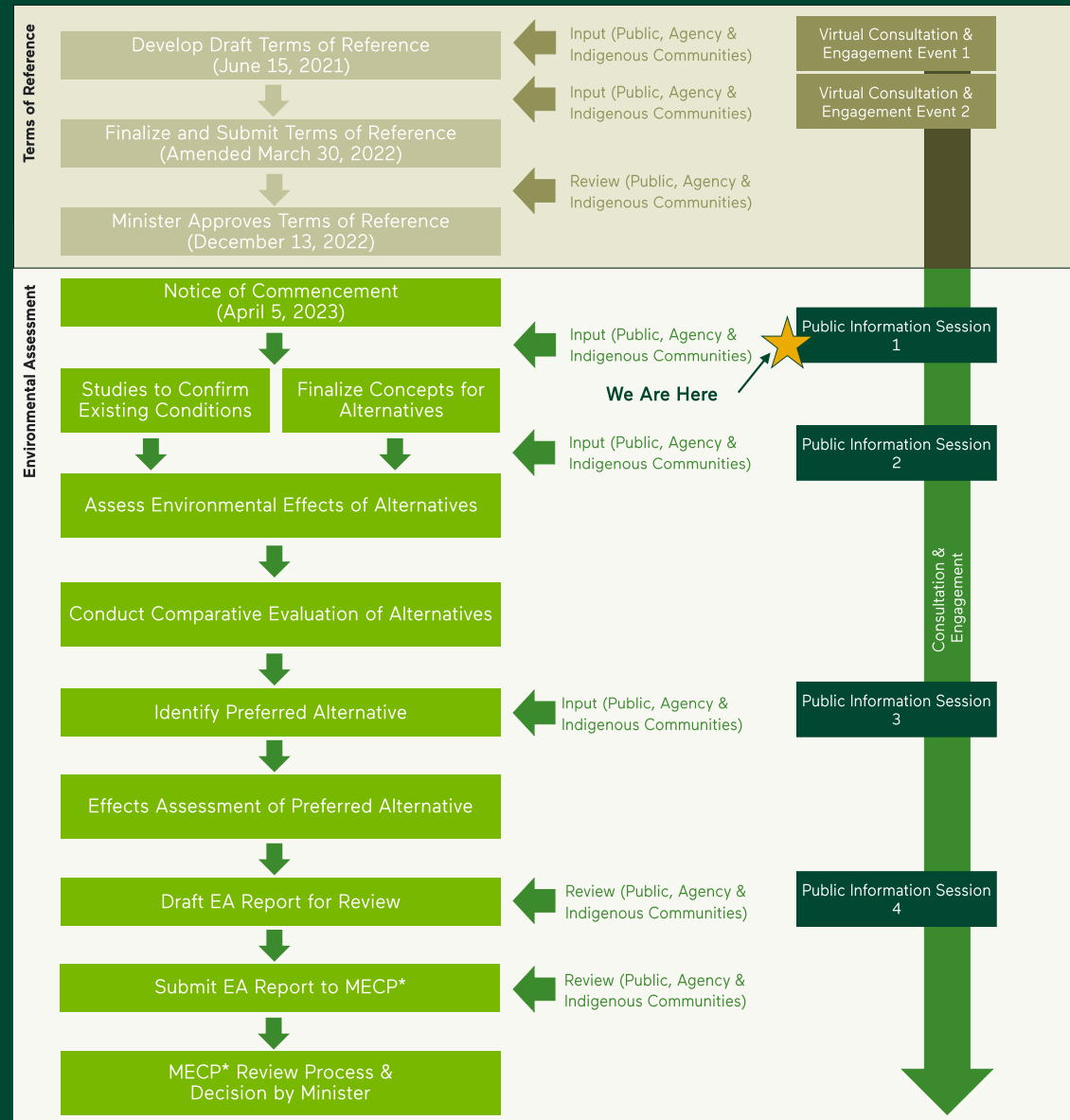
The other alternatives do not address WM's business opportunity to meet long-term customer commitments, do not avoid business risks or maximize the financial investment in the facility, and limit the benefits provided to the local community.

Environmental Assessment Process

On December 13, 2022, the Minister of Environment, Conservation and Parks approved the amended Terms of Reference for the project.

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

The results of the EA will be documented in an EA Study Report, which will be submitted to the MECP for review.



*MECP = Ministry of Environment, Conservation and Parks

Evaluation Process

The **evaluation process** for the EA will include:

- Describing the **environment potentially affected (existing conditions)** based on Evaluation Criteria
- Describing the **conceptual design details for the Alternative Methods**, including in-design mitigation measures
- Predicting the **environmental effects from each Alternative Method** based on Evaluation Criteria
- Refining **mitigation measures and predicting net effects** on the environment
- **Comparatively evaluating Alternative Methods** based on evaluation criteria
- Identifying the **Preferred Alternative**
- Conducting an **effects assessment of the Preferred Alternative**
- Consideration of **cumulative effects and climate change**



Evaluation Criteria will be based on those included in the approved amended Terms of Reference and will be finalized during the EA.

Alternative Methods will be presented at a subsequent Public Information Session and will include vertical and horizontal expansion alternatives.

Study Areas

Potential effects will be considered in terms of On-site and Off-site Study Areas, which are to be determined.

The Off-site Study Area, generally extending 1 km from the On-site Study Area, may differ based on environmental component (e.g., a surface water assessment may consider watersheds, while an air quality assessment may consider a defined distance from the site).

Discipline specific studies will be carried out, as required, to obtain information for the effects assessment of Alternative Methods based on the Evaluation Criteria.



Consultation and Engagement

Public consultation and engagement to be conducted throughout the EA process will involve the local community, applicable agencies, Indigenous communities, and other interested and/or affected stakeholders.

Consultation and engagement will include:

- Notifications by direct mail, mail drop, email, newspapers (digital and/or print), and via the project website at key milestones during the EA process
- Public Information Sessions
 1. Project introduction, EA process overview, project milestones, consultation and engagement opportunities (this session)
 2. Description of existing conditions, Alternative Methods, Evaluation Criteria
 3. Results of effects assessment and comparative evaluation, identification of Preferred Alternative
 4. Draft EA Study Report
- Project website
<https://www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project>
- Meetings/Tours
- Draft EA Study Report review
- Final EA Study Report

Key Milestones

Notice of Commencement of EA
Existing Conditions/Alternative Methods
Identification of the Preferred Alternative
Draft EA Study Report review
Submission of the Final EA Study Report to the MECP

How Can You Participate?



Join our project
mailing list



Attend Public Information
Sessions



Provide comments during
or following events



Review documents and
submit comments



Ask questions and become
informed



Email questions to WM and
receive a response within
48 hours



Visit the project website for updates

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



Next Steps

- Information received through this Public Information Session and other comments received will be considered in the EA.
- Notification will be provided for Public Information Session 2 by direct mail, mail drop, email, newspapers (digital and/or print), and via the project website.
- Public Information Session 2 will focus on the description of existing conditions, Alternative Methods, and Evaluation Criteria.

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

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

Larry Fedec, P.Eng., M.B.A.
Solid Waste Program Lead, Canada
HDR Corporation
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
Phone: 289.695.4696
Email: larry.fedec@hdrinc.com

Thank you for your attendance and comments on the Project



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Public Comment Form



Public Information Session 1

April 19, 2023, 4-8 PM

Comment Form

Name: _____

Address: _____

Phone #: _____

Email: _____

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

- | | |
|---|---|
| ☐ residential property | ☐ air quality (dust, noise, odour) |
| ☐ business | ☐ ecology (plants, wildlife) |
| ☐ member of interest group | ☐ groundwater / surface water |
| ☐ agency representation | ☐ land use / visual |
| ☐ other: | ☐ 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 additional comments, concerns, questions, or recommendations regarding the **current operations at the Twin Creeks Environmental Centre or the proposed project?**

☐ Yes ☐ No



4. Do you have any specific comments or questions regarding the **Environmental Assessment Process, Evaluation Process**, and/or **Study Areas**?

☐ Yes ☐ No

5. Do you have any specific comments, questions, or recommendations regarding the **consultation and engagement opportunities**?

☐ Yes ☐ No

6. Are there any **other questions or concerns** you have about the Environmental Assessment?

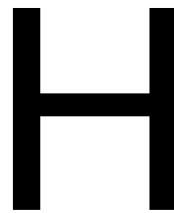
☐ Yes ☐ No

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 **May 3, 2023** to:

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

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Email: larry.fedec@hdrinc.com

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Completed Public Comment Forms



Twin Creeks Environmental Centre Landfill Optimization Project Environmental Assessment

Public Information Session 1

April 19, 2023, 4-8 PM

Comment Form

Name:

Address:

Phone #:

Email:

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

- | | |
|--|---|
| ☒ residential property | ☐ air quality (dust, noise, odour) |
| ☐ business | ☐ ecology (plants, wildlife) |
| ☐ member of interest group | ☒ groundwater / surface water |
| ☐ agency representation | ☒ land use / visual |
| ☐ other: | ☒ transportation |

2. Please provide any **general comments** about the information presented at this Public Information Session.

How about revising your permit to allow on-site recycling? Start with shredder & bring back on a transport truck going back east, reduce the cost of transport.

3. After reviewing the information presented, do you have any additional comments, concerns, questions, or recommendations regarding the **current operations at the Twin Creeks Environmental Centre or the proposed project?**

☒ Yes ☐ No

Need to improve the water stream, by removing raw materials, & other non-waste materials



4. Do you have any specific comments or questions regarding the **Environmental Assessment Process, Evaluation Process, and/or Study Areas?**

☐ Yes ☐ No

THE INCREASED HEIGHT ON CALM DAYS INCREASES THE CONVECTION TO THE THERMAL MASS & MOVES MORE AIR & THAT INCREASES THE SMALL IN WATFORD WHAT WILL YOU DO TO MITIGATE THIS?

5. Do you have any specific comments, questions, or recommendations regarding the **consultation and engagement opportunities?**

☒ Yes ☐ No

NO SIGNAGE UP AT THE ROAD DIRECTING PEOPLE WHERE TO PARK, ETC

6. Are there any **other questions or concerns** you have about the Environmental Assessment?

☒ Yes ☐ No

MY CONCERN IS ABOUT THE ORIGINAL LINER ITS THICKNESS, AND THE PERMIT THE ORIGINAL TO SUPPORT ADDITIONAL HEIGHT & WEIGHT LOAD THAT YOU INTEND TO ADD ON

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 **May 3, 2023** to:

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Twin Creeks Environmental Centre Landfill Optimization Project Environmental Assessment

Public Information Session 1

April 19, 2023, 4-8 PM

Comment Form

Name:

Address:

Phone #:

Email:

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- | | |
|---|--|
| ☐ residential property | ☒ air quality (dust, noise, odour) |
| ☐ business | ☐ ecology (plants, wildlife) |
| ☐ member of interest group | ☒ groundwater / surface water |
| ☐ agency representation | ☒ land use / visual |
| ☐ other: | ☒ transportation |

2. Please provide any **general comments** about the information presented at this Public Information Session.

A SCALE MODEL OF THE PROPOSED PROJECT
WOULD BE USEFUL

3. After reviewing the information presented, do you have any additional comments, concerns, questions, or recommendations regarding the **current operations at the Twin Creeks Environmental Centre or the proposed project?**

☒ Yes ☐ No

ODOUR IS ONGOING ISSUE AND WILL ONLY
BECOME A BIGGER ISSUE WITH INCREASE
IN HEIGHT ALONG WITH RUN OFF AND LATELATE
DISPOSAL



4. Do you have any specific comments or questions regarding the **Environmental Assessment Process, Evaluation Process, and/or Study Areas?**

☒ Yes ☐ No

STUDY AREA SHOULD BE INCREASED BY THREE TIMES AS
THE LANDFILL IS GOING THREE TIMES HIGHER.

5. Do you have any specific comments, questions, or recommendations regarding the **consultation and engagement opportunities?**

☒ Yes ☐ No

AS VERY FEW RESIDENTS RECEIVE A NEWSPAPER AND MOST
FLYERS THAT COME ARE NOT READ AND MANY ARE JUST
TOSSED INTO RECYCLING BINS.
PERHAPS LOCAL MRPJA COULD BE USED WITH A
REGULAR BI WEEKLY REPORT AS TO WHAT IS HAPPENING AT
LANDFILL

6. Are there any **other questions or concerns** you have about the Environmental Assessment?

☒ Yes ☐ No

OPEN MEETINGS WITH PRESENTATIONS ON ALL ASPECTS
OF THIS PROJECT WITH OPEN QUESTIONS AND ANSWERS
FOR ALL RESIDENTS TO ENGAGE IN.

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 **May 3, 2023** to:

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Area Landfill Manager, Eastern Canada Area
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Solid Waste Program Lead, Canada
HDR Corporation
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
Phone: 289.695.4696
Email: larry.fedec@hdrinc.com

Public Information Session 2 Summary Report



Twin Creeks Environmental Centre Landfill
Optimization Project Environmental Assessment

WM Canada

Watford, Ontario

January 19, 2024

Prepared by:

HDR Corporation
100 York Blvd., Suite 300
Richmond Hill, ON K4B 1J8



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2	Overview of Public Information Session 2.....	2
3	Notifications.....	2
	3.1 Public and Agency Notification	2
	3.2 Indigenous Community Notification	2
4	Venue and Attendance.....	3
5	Information Presented	4
6	Summary of Comments/Issues.....	5

Appendices

Appendix A	Notice of Public Information Session 2
Appendix B	Public and Agency Mailing List
Appendix C	Newspaper Advertisements
Appendix D	Indigenous Community Mailing List
Appendix E	Completed Sign-In Sheet
Appendix F	Public Information Session Content
Appendix G	Public Comment Form

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 8 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 the approximately 14 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 8 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 2 for the EA, which was carried out through two events, on November 29 and December 5, 2023.

2 Overview of Public Information Session 2

Public Information Session 2 was held to provide an update on the EA, present the screening of Alternative Methods, review the approved Evaluation Criteria, present a summary of Existing Conditions, and provide an overview of the next steps in the EA process and upcoming Consultation and Engagement opportunities.

The Public Information Session was held through two events at the TCEC site in the maintenance building. Display panels were set up on easels within the main maintenance area. 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 forms 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 2 via the Notice of Public Information Session 2 (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 1,927 recipients starting on November 15, 2023. The Notice was sent via email to agencies, municipalities, organizations, and members of the public on the mailing list on November 16, 2023. The mailing list of agencies, municipalities, organizations, and members of the public that received notification is provided in **Appendix B**.

The Notice was published in three newspapers on November 16 and 23, 2023: 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 15, 2023.

3.2 Indigenous Community Notification

The following Indigenous communities and groups were notified of Public Information Session 2 via the Notice sent by Canada Post Xpresspost and email on November 15 and 16, 2023, respectively:

- 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.

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

4 Venue and Attendance

Public Information Session 2 took place through two events, on Wednesday, November 29, 2023, and Tuesday, December 5, 2023, at the WM Twin Creeks Site Maintenance Building, 5768 Nauvoo Road, 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 22 people (18 people on November 29, and 4 people on December 5) in addition to WM and consulting staff.

WM staff included:

- Wayne Jenken, Landfill Engineering Manager;
- John McDonald, Senior District Manager;
- Jessica Kropf, Senior Communications Manager;
- Luiza Adsett, Senior Area Manager, Public Affairs;
- Angela McLachlan, Environmental Compliance Manager;
- Isabel Rodriguez, Construction Project Manager;
- Greg Milner, Gas Operations Manager; and
- Jason Turnbull, Landfill Operations Manager.

Consulting staff included:

- Larry Fedec, HDR (Project Manager);
- Kelly Beri, HDR (Environmental Assessment, Socio-Economic Environment, Consultation and Engagement);
- Brad Bergeron, RWDI (Air Quality and Odour);
- Sarah Pellatt, RWDI (Air Quality and Odour);

- Khalid Hussein, RWDI (Noise);
- Brent Langille, RWDI (Geology/Hydrogeology and Surface Water Quality);
- Jeff Cleland, RWDI (Geology/Hydrogeology and Surface Water Quality);
- Cristina Olarte, WSP (Surface Water Quantity, Alternative Methods);
- Desta Frey, NRSI (Ecological Environment);
- Mark Schollen, Schollen & Company Inc. (Visual);
- Elliot Sigal, Intrinsik (Human Health);
- John Sleath, ASI (Cultural Heritage Resources and Archaeological Resources);
- Adam Beausoleil, HDR (Transportation); and
- Jay McGuffin, MBPC (Land Use).

5 Information Presented

Information was presented on 32 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 three representative Alternative Methods that were developed;
- a summary of the screening of the representative Alternative Methods;
- the approved Evaluation Criteria to be used in the EA;
- a summary of Existing Conditions for each of the Evaluation Criteria;
- consultation and engagement opportunities;
- ways that people can participate in the EA;
- next steps for the EA; and
- project staff contact information.

A copy of the display panels for Public Information Session 2 was made available on the project website at: <https://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 22, 2023. 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 Public Information Session are summarized below by subject.

Air Quality and Odour

- What are the sources of odour?
- Is odour measured or modelled?
- How is odour modelling conducted?
- What do the odour contours mean?
- How does the odour modelling relate to the smell at a certain location?
- What is measured on site?
- What is being done to control odours from the site?
- Confirm the number of complaints includes those received by both WM and the Ministry of Environment, Conservation and Parks.

Noise

- What are the types of noise sources associated with the landfill?
- Is there noise monitoring currently at the landfill? If so, where?
- Does the existing conditions noise study include noise impacts from the roads and haul routes?

Geology and Hydrogeology

- How, where, and how often is groundwater quality monitored at the TCEC?
- Is groundwater quality monitored off-site?
- How is landfill leachate managed at the TCEC and where is the leachate treated?
- How is the groundwater protected from being contaminated by the landfill leachate?

Surface Water Quality and Quantity

- How, where, and how often is surface water quality monitored at the TCEC?
- Is surface water quality monitored off-site?
- How is the surface water protected from being contaminated by the landfill leachate?

Ecological Environment

- What are Myotis and Bobolink?

Socio-Economic Environment

- Interesting to see the amount of spending by WM in Watford and the Township of Warwick.
- Regarding local businesses, the Township of Warwick and the Sarnia Lambton Economic Partnership are working together to update the business directory, which should be complete by the end of December.
- Does WM provide engagement funding to any First Nations communities?
- Are First Nations communities part of the Socio-Economic assessment?

Visual

- Concern about the height of the proposed expansion.
- Request to communicate the height of the landfill in a simple way, perhaps comparing the height in terms of recognizable objects/structures.
- Concern about Watford being perceived as housing the highest/tallest/largest landfill in Ontario.
- Request that a list of landfills that are of the same height or higher than the proposed TCEC be provided.
- Suggestion that WM could plant trees south of the soil stockpile, north of Confederation Line, to establish a visual screen that could be mature/tall enough to screen views from the south.
- Suggestion that WM explore alternative landform configurations for the landfill expansion that would create an undulating landform that could incorporate screening of the tipping operation as the expansion advances. The tipping operation was identified by the public as being more visually intrusive than the landform itself.
- The common opinion was that potential visual impacts could be dealt with through a combination of planting/screening and additional on-site screening.

Human Health

- Questions about H₂S, and cadmium in groundwater.

Cultural Heritage and Archaeological Resources

- Confirmation that there are no heritage or archaeological concerns at the TCEC.

Transportation

- Comments about trucks coming off the Highway 402 westbound off-ramp and aggressively merging on to southbound Nauvoo Road, cutting off other trucks or vehicles.
- Questions about signalization and the possibility of improving the Highway 402 / Nauvoo Road interchange to have all movements free-flow with ramps, which would be an MTO matter.
- Mention of a notable rush of trucks during the early morning before 7AM, and concern that this is the worst case in terms of the trucks queuing along Nauvoo Road. Confirmation that scheduling has helped, but the morning rush issue persists.
- Comments that trucks stop on the side of the Highway 402 westbound off-ramp while they wait for their scheduled time to enter the TCEC in the morning.
- Confirmation that traffic is not expected to increase.
- Future projections will account for general background growth and other new developments.

Land Use

- Discussion about the zoning on the TCEC site.

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Notice of Public Information Session 2

Notice of Public Information Session 2



Twin Creeks Environmental Centre Landfill Optimization Project Environmental Assessment

November 29 & December 5, 2023 | 4 - 8 PM

Twin Creeks Environmental Centre
5768 Nauvoo Road, 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 2** for the TCEC Landfill Optimization Project Environmental Assessment (EA).

There are approximately 8 years of approved landfill airspace capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project would provide additional airspace of approximately 14 million cubic metres, 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 purpose of the EA is to assess the potential effects of the Project on the environment.

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 2 is being held to:

- Provide an update on the EA
- Present a screening of Alternative Methods
- Provide a summary of Existing Conditions
- 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 29 and December 5.

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.
Solid Waste Program Lead,
Canada
HDR Corporation
100 York Blvd., Suite 300,
Richmond Hill, ON L4B 1J8
289.695.4696
larry.fedec@hdrinc.com

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Public and Agency
Mailing List

Agencies (Provincial/Federal/Municipal)

Type	Category	Agency	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	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	Conservation Authority	St. Clair Region Conservation Authority	Planning Ecologist	Sarah	Hodgkiss	205 Mill Pond Crescent		Strathroy	ON	N7G 3P9	519-245-3710 x234	shodgkiss@scrca.on.ca
Prov / GRT	Provincial	Ontario Provincial Police	Administrative Assistant Research and Program Evaluation Unit / Research Planning & Analysis Section	Jennifer	Davey	777 Memorial Avenue	1st Floor	Orillia	ON	L3V 7V3	705-309-2621	jennifer.davey@opp.ca
Prov / GRT	Provincial	Ontario Provincial Police	Manager(A), Research Planning & Analysis Section	Iris	Chan	777 Memorial Avenue	1st Floor	Orillia	ON	L3V 7V3		iris.chan@opp.ca
Prov / GRT	Provincial	Ontario Provincial Police	Administrative Assistant(A) Facilities Section	Abisola	Akinwumi	777 Memorial Avenue	2nd Floor	Orillia	ON	L3V 7V3	705-329-6825	abisola.akinwumi@opp.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	Rural Planner(A) Western Ontario Land Use Policy & Stewardship Food Safety and Environmental Policy Branch	Dana	Kieffer	6484 Wellington Road 7		Elora	ON	N0B 1S0	226-962-8933	dana.kieffer@ontario.ca
Prov / GRT	Provincial	Ministry of Mines	Manager of Strategic Support Unit (Acting) 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 (Acting) Strategic Services Branch	Melanie	Johnson	933 Ramsey Lake Rd. Willet Green Miller Ctr	2nd Floor	Sudbury	ON	P3E 6B5	705-698-5041	melanie.johnson@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	erick.boyd@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources and Forestry	Environmental Planning Team Lead(A) Strategic and Indigenous Policy Branch, Policy Division	Keith	Johnston	300 Water St.	3rd Floor S	Peterborough	ON	K9J 3C7	705-313-6960	keith.johnston@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources and Forestry	District Supervisor (Acting) Aylmer District	Deanna	Lindblad	4890 Victoria Ave. N	PO Box 5000	Vineland	ON	L0R 2E0	289-407-4178	deanna.lindblad@ontario.ca
Prov / GRT	Provincial	Ministry of Natural Resources and Forestry	District Planner Land Use Planning Unit Southern Region Aylmer District	Karina	Cerniavskaja	615 John St. N		Aylmer	ON	N5H 2S8	519-200-2276	karina.cerniavskaja@ontario.ca
Prov / GRT	Provincial	Ministry of the Solicitor General	Director	Robert	Greene	25 Grosvenor Street	13th Floor	Toronto	ON	M7A 1Y6	416-277-2370	robert.greene@ontario.ca
Prov / GRT	Provincial	Ministry of the Solicitor General	Director (A), Facilities and Capital Planning Branch, Corporate Services Division	Fuad	Abdi	25 Grosvenor Street	13th Floor	Toronto	ON	M7A 1Y6	416-884-5932	fuad.abdi@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	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	Special Project Officer	Cindy	Batista	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	437-248-0058	cindy.batista@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Manager(A), Environmental Assessment Services Environmental Assessment Branch	Andrew	Evers	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	647-961-4850	andrew.evers@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Manager(A), Environmental Assessment Services 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	
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 Branch	Mohsen	Keyvani	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	416-432-7253	mohsen.keyvani@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Manager, Sarnia District Office, Southwest Region	Sean	Morrison	1094 London Rd		Sarnia	ON	N7S 1P1	519-381-5536	sean.morrison@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	saifullah.sumbal@ontario.ca

Type	Category	Agency	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	Email
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Manager(A), London District Office	Pierre	Adrien	733 Exeter Rd		London	ON	N6E 1L3	226-919-6416	pierre.adrien@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Supervisor, Sarnia District Office	Mary Jane	Corda	1094 London Road		Sarnia	ON	N7S 1P1	226-932-1785	maryjane.corda@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Supervisor, Sarnia District Office	Peder	Garberg	1094 London Road		Sarnia	ON	N7S 1P1	519-490-3268	peder.garberg@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Environmental Compliance Supervisor, Sarnia District Office	Michael	Harris	1094 London Road		Sarnia	ON	N7S 1P1	289-241-1535	michael.harris@ontario.ca
Prov	Provincial	Ministry of the Environment, Conservation and Parks	Senior Environmental Officer, London District Office	Nicole	Does	733 Exeter Rd		London	ON	N6E 1L3	519-870-3050	Nicole.Does@ontario.ca
Prov	Provincial	Lambton-Kent-Middlesex	MPP	Monte	McNaughton	81 Front Street West		Strathroy	ON	N7G 1X6	519-245-8696	Minister.MLITSD@ontario.ca monte.mcnaughtonCO@pc.ola.org
Prov	Provincial	Lambton-Kent-Middlesex	MPP			81 Front Street West		Strathroy	ON	N7G 1X6	519-245-8696	lambton-kent-middlesex@pc.ola.org
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	Wes	Plant	4905 Dufferin Street		Toronto	ON	M3H 5T4	416-739-4272	wesley.plant@ec.gc.ca
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	819-420-7651	jeremy.anglesey@ec.gc.ca
Municipal												
Mun / GRT	Municipal	Lambton Public Health	Medical Officer of Health	Dr. Sudit	Ranade	160 Exmouth Street		Point Edward	ON	N7T 7Z6	519-383-8331	publichealth@county-lambton.on.ca
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	Public Health Inspector	Theresa	Warren	160 Exmouth Street		Point Edward	ON	N7T 7Z6	519-383-8331	theresa.warren@county-lambton.on.ca
Mun / GRT	Municipal	County of Lambton	CAO	Stéphane	Thiffeault	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-0801	stephane.thiffeault@county-lambton.on.ca
Mun	Municipal	County of Lambton	CAO	Ron	Van Horne	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-5410	ron.vanhorne@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	Manager, Planning & Development Services	Ken	Melanson	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-0801 x5342	ken.melanson@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	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	matt.deline@county-lambton.on.ca
Mun	Municipal	County of Lambton	Public Works Technologist	Glen	Millar	160 Exmouth St		Point Edward	ON	N7T 7Z6	519-845-0801 x 5311	glen.millar@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@warwicktowship.ca
Mun / GRT	Municipal	Township of Warwick	Fire Chief, Watford Station	Rick	Sittington	520 Ontario Street		Watford	ON	N0M 2S0	519-490-4337	watfordfire@warwicktowship.ca
Mun / GRT	Municipal	Township of Warwick	CAO/Clerk	Amanda	Gubbels	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(226) 848-3926	agubbels@warwicktowship.ca
Mun	Municipal	Township of Warwick	Treasurer/Deputy Administrator	Trevor	Jarrett	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(226) 848-3926	tjarrett@warwicktowship.ca
Mun	Municipal	Township of Warwick	Manager/Drainage Superintendent, Public Works	Andrew	Maver	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(226) 848-3926	amaver@warwicktowship.ca
Mun	Municipal	Township of Warwick	Mayor	Jackie	Rombouts	6332 Nauvoo Road		Watford	ON	N0M 2S0	519-464-3634	jackie_rombouts@hotmail.com
Mun	Municipal	Township of Warwick	Mayor	Todd	Case	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	519-490-4533	tcase@warwicktowship.ca
Mun	Municipal	Township of Warwick	Councillor	Colin	Mitchell	6332 Nauvoo Road		Watford	ON	N0M 2S0	226-235-2337	mitchellcolin24@gmail.com
Mun	Municipal	Township of Warwick	Deputy Mayor/Councillor	John	Couwenberg	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	519-490-4372	jcouwenberg@warwicktowship.ca
Mun	Municipal	Township of Warwick	Councillor	Wayne	Morris	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	519-849-3947	wmorris@warwicktowship.ca
Mun	Municipal	Township of Warwick	Councillor	Jerry	Westgate	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	(519) 876-2519	jwestgate@warwicktowship.ca
Mun	Municipal	Township of Warwick	Councillor	Todd	White	6332 Nauvoo Road		Watford	ON	N0M 2S0	519-617-6917	whitet72@cloud.com
Mun	Municipal	Township of Warwick	Councillor	Joe	Manning	5280 Nauvoo Road	PO Box 10	Watford	ON	N0M 2S0	519-520-5918	jmanning@warwicktowship.ca
Mun	School Board	Conseil Scolaire Catholique Providence	Director of Education	Joseph	Picard	7515 Forest Glade Drive		Windsor	ON	N8T 3P5	519-948-9227 x240	picajose@cscprovidence.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	John	Howitt	200 Wellington Street		Sarnia	ON	N7T 7L2	519-336-1500 x31297	john.howitt@lkdsb.net
Mun	School Board	St. Clair Catholic District School Board	Director of Education	Scott	Johnson	420 Creek Street		Wallaceburg	ON	N8A 4C4	519-627-6762 x10240	scott.johnson@st-clair.net

= contact replaced or removed as requested

Warwick Public Liaison Committee

Category	Organization Name	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	Email
WPLC	Warwick Public Liaison Committee	Chair	Mary Lynn	Metras			Thamesville	ON			
WPLC	Warwick Public Liaison Committee		Marcie	Parker			Watford	ON			
WPLC	Warwick Public Liaison Committee		John	O'Neil			Arkona	ON			
WPLC	Warwick Public Liaison Committee		Mac	Parker			Watford	ON			
WPLC/TRT	Garrod Pickfield LLP		Peter	Pickfield			Guelph	ON			
WPLC	Warwick Public Liaison Committee		Betsy	Rombouts			Watford	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		Holly	Watson			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		Mike	Harris			Sarnia	ON			

 = contact replaced or removed as requested

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			
Alex	Ciccone	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			
Heather	Joosten				Watford	ON			
Sheila	Joris				Watford	ON			
Brian	Jubenville				Watford	ON			
Kim	Leliveld								
Paul	Leliveld				Watford	ON			
Sherie	MacLachlan				Watford	ON			
Taylor	Maris	Chatham-Kent Lambton Administrative School Services			Wallaceburg	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			
William	Nugent				Watford	ON			
Mac	Parker				Watford	ON			
Kevin	Peters				Watford	ON			
Sharon	Plunkett				Watford	ON			

First Name	Last Name	Company	Address1	Address 2	City	Prov	Postal Code	Phone	Email
Connie	Rankin				Watford	ON			
Greg	Rankin				Watford	ON			
Marion & Brian	Rankin				Watford	ON			
Steven	Roe				Watford	ON			
Betsy	Rombouts				Watford	ON			
Jacky	Saul				Watford	ON			
Shawn	Scott								
Christine	Shea				Watford	ON			
Kathy	Soetemans				Warwick Town	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				Warwick	ON			
Jeremy	Van Haaren	All Season Excavating			Watford	ON			
Mike	Van Kessel				Warwick Twp	ON			
Larry	Van Lieshout				Watford	ON			
Chris	Van Loon				Watford	ON			
Dave	Vanos				Warwick Town	ON			
John	Veeke				Arkona	ON			
Lynda/Frank	Veens/Vandeschoot				Watford	ON			
Chad	Verberne				Watford	ON			
Joe	Verstraten				Watford	ON			
Holly	Watson				Watford	ON			
Mary Ann	Williamson				Watford	ON			
Heather	Wright	The Petrolia-Lambton Independent							
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			

 = contact replaced or removed

The page features a large, dark green square on the left side, a grey square at the top right, and a black square at the bottom right. The main content area is white.

C

Newspaper Advertisements

Hackers have 20k Lambton SINs

Heather Wright
The Independent

Bluewater Health says up to 20,000 patients' social insurance numbers taken in the ransomware attack.

The Oct. 23 attack by the ransomware gang Daixin locked five southwestern Ontario hospitals out of their computers leading to surgeries, appointments and cancer treatment being delayed or cancelled. While the hackers made their way into the systems of five southwestern Ontario hospitals and multiple health care agencies, Bluewater Health bore the brunt of the impact.

After refusing to pay a ransom for information to unlock the systems, Daixin started releasing the information on the dark web.

The hospital, in a news release Nov. 9 confirmed the theft of a database report containing information about 267,000 patients dating to 1992. Included in that breach, 20,000 social insurance numbers of patients who used the Lambton county facilities.

Officials said the report included information about every patient seen since February 24, 1992 at Bluewater Health; Lambton Hospitals Group; Charlotte Eleanor Englehart Hospital; Sarnia General Hospital; and St. Joseph's Hospital. The database report may include patients' names, address, contact information, date of birth, demographic information, the reason for their visit and notes on prior visits as well as the social insurance numbers.

People whose SINs were taken will hear directly from the hospital as required by laws governing the privacy of health information.

The hospitals have been in contact with the Ontario's Information and Privacy office as required by the Personal Health Information Privacy Act. It also requires health care providers to take precautions to safeguard against theft, loss, as well as

unauthorized collection, use, disclosure, copying, modification or disposal of your personal health information. Health care organizations must "notify you, at the first reasonable opportunity, of the theft or loss or of the unauthorized use or disclosure of personal health information" and "of any uses and disclosures of your personal health information that occurred outside of their information practices and without your consent."

Bluewater Health will directly notify all those whose SIN was included in the database report, and will provide them with two years of credit monitoring.

Cyber security experts say personal data, including SINs, is plentiful and cheap on the dark web and is easily found by criminals who either want to extort money from people or who are trying to set up new identities.

Under regular circumstances, Canada Revenue Agency warns people not to provide SIN numbers on job applications or rental agreements saying in the wrong hands, your SIN could lead to an invasion of privacy, identify theft, loss of government benefits, tax refunds or bank credits. The CRA says if someone uses your SIN to commit fraud, it could ruin your credit rating or someone could also use your SIN to work illegally and the CRA would come looking for the income tax on the income you did not receive.

The CRA recommends people use a credit bureau to track your banking and credit card statements and if you notice any suspicious activity, CRA says to contact police and the Canadian Anti-Fraud Centre immediately.

If you have been affected by the data breach you have the right to file a complaint online with Ontario Information and Privacy Commissioner.

A patient cyber security hotline has been established at 519-437-6212 (8 am to 11 pm Monday through Friday). Staff questions can be directed to their HR teams.

Hack delaying long-awaited health care

Heather Wright
The Independent

Chrissy Jackson had been waiting since July for an MRI to figure out the extent of the damage in her shoulder. But she, like many other Lambton County patients, will have to wait a lot longer to get the answers they need.

The Petrolia area woman had an MRI scheduled for Nov. 17 but got a call Nov. 12 saying it had been cancelled after the ransomware attack at Bluewater Health.

And Jackson hasn't been given a time when she might be scheduled for another appointment. "All she said was 'I'll keep your request and call you when we can reschedule.' No time line what so ever."

Jackson is not alone. Transform Shared Services - the IT manager for area hospitals - says many appointments, cancer treatments and surgeries have been delayed in the wake of the attack. In a news release, Transform says because of the shutdown of the system, doctors may not have access to past patient records, medical histories, medication lists, reports from specialists on the case or pre-admission blood work.

"To ensure safe care, some physicians will have to cancel procedures if, in the absence of important information, they feel it is unsafe to proceed. If this is required, physicians will do their very best to reschedule as quickly as possible," Transform said.

However, as quickly as possible seems to be over a month away.

Transform says it will take some time to bring hospital computer systems back up to speed.

"We can confirm that the restoration process is on track. While it will still take some time before all affected critical systems are completely online, our teams are working around the clock to ensure the process is progressing as quickly and safely as possible. We are also working with leads at each hospital for a seamless return to service."

"This restoration is expected to be complete by mid-December. Delays will be reduced for patients once digital charting is restored. Please note that some patients and families may still experience diagnostic and treatment delays while we work to restore all systems."

Jackson says she was told by her physiotherapy provider it may be mid-December before she hears when she might have a new appointment for an MRI on her shoulder. And she's been told some people are being sent to regional hospitals not affected by the hack for help.

"Sadly, I don't know anything at this point. I'm going to call my surgeon because I'm hearing that some patients are being sent to London, Strathroy and even over to the US," she said.

But even with all the confusion and delays, Jackson says she's better off than most.

"My MRI isn't a life or death situation, but I feel for those whose is."

Notice of Public Information Session 2



Twin Creeks Environmental Centre Landfill Optimization Project Environmental Assessment

November 29 & December 5, 2023 | 4 - 8 PM

Twin Creeks Environmental Centre
5768 Nauvoo Road, 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 2** for the TCEC Landfill Optimization Project Environmental Assessment (EA).

There are approximately 8 years of approved landfill airspace capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project would provide additional airspace of approximately 14 million cubic metres, 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 purpose of the EA is to assess the potential effects of the Project on the environment.

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 2 is being held to:

- Provide an update on the EA
- Present a screening of Alternative Methods
- Provide a summary of Existing Conditions
- 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 29 and December 5.

If you have questions, please contact:

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

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

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Obituaries

HENRY, (Laura) Dawn

April 16, 1977 – November 5, 2023

Dawn Henry, age 46, of Tempe, Arizona, passed away on Sunday, November 5, 2023. Dawn is survived by her parents Marlene and Ralph, and her sister and best friend Tanya. She was born in Sarnia, Ontario, Canada but immigrated to the Phoenix area close to 20 years ago to escape the cold. She was a physical therapist and cared deeply for the many patients that she treated. Dawn loved staying active, hiking with her two dogs, family dinners, cocktail hour, ridiculous adventures, and travelling the world any chance she got. She was adored by her family and friends, and she adored them in return. She will be forever missed by those who loved her.

Friends are invited to a reception at The Smith Family Centre, 1576 London Line, Sarnia, on Sunday, November 19, from 4:00 to 4:00 p.m. to join in a celebration of Dawn's too short life.

In lieu of flowers donations to the Canadian Cancer Society in Dawn's memory would be appreciated. Memories and condolences may be sent online at smithfuneralhome.ca

HUGHES, Audrey

1935 - 2023

Peacefully on Monday November 13, 2023, at Marshall Gowland Manor, at the age of 88. Loving mother of Andrew (Cheryl), David, Andrea Coleman (Rich), Cherished grandma of Andrew, Jonathan, Anthony, Shane, and Samantha, and great grandma of Payton and Olivia. Survived by her sister Jennifer Marshall (John). Predeceased by her brother Bobby Brown. Audrey was a member of the Sarnia Little Theatre from 1975 to 2011. Family and friends will be received at St. John's in the Wilderness Anglican Church, 2896 Old Lakeshore Road, Brights Grove for a Memorial Service on Saturday November 18 at 2 p.m. Interment to follow at Blackwell Cemetery. Remembrances and condolences may be expressed to the family online in "Audrey's Guestbook" at mccormackfuneralhomesarnia.com. If desired, donations to St. John's in the Wilderness Church in Brights Grove or the Dialysis Unit at Bluewater Health would be appreciated.

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Obituaries

KING, Alice

She was the thread that held our family quilt together. We are saddened to announce the passing of our beloved Alice King (nee Smith) on November 12, 2023 at the age of 80.

Alice immigrated from Holland as a little girl. She met and married Ken at a young age and they worked hard to build a life together and to provide opportunities for their four children. She is survived by her husband Ken and their children: Patty (Dave McCabe), Wanda (Michael Garrett), Lori (Jeff Emes) and Stephen (Norma Cannon-King). She was a greatly loved Grandma to Adam, Jonathan (Ashleigh Kliner) and Rebecca King and Adrian Emes. Survived by her sisters Tillie Grift, Margaret Weeke and Joanne Grift. Her little dog Lily will miss her so much. She made many happy memories with her children and grandchildren and has left them a piece of her in stained glass pieces and quilts that were made with so much love and care! She was happiest gardening, sewing or doing any artistic project she undertook. She was an accomplished self taught seamstress. She worked hard and taught her kids and grandkids the value of a good work ethic and that a quiet life filled with family, a dog and laughter was a good life! She will be missed by all the friends she made through quilting, crafting and camping.

Cremation has taken place. Family and friends will be received on Sunday, November 19, 2023 at Smith Funeral Home, 1576 London Line, Sarnia from 4:00 to 6:00 p.m. A memorial service will be held to celebrate Alice's life at the funeral home on Monday, November 20, 2023 at 11:00 a.m. A private interment of ashes will take place at Resurrection Cemetery.

In lieu of flowers, sympathy may be expressed through donations to Sarnia & District Humane Society or the Canadian Cancer Society (cheques only at the funeral home please). Memories and condolences may be sent online at www.smithfuneralhome.ca

"True love stories never have endings."
— Richard Bach

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Sarnia & Lambton County
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Route - SF3001-Point Edward
This route is located on Arthur and Ernest. It has 44 flyers to be delivered once a week (Thurs) Your profit every two weeks would be approx. \$14.96.

Route - SF418
This route is located on Hay and Rocco. It has 42 flyers to be delivered once a week (Thurs) Your profit every two weeks would be approx. \$14.28.

Route - SF2002
This route is located on Bright, Cameron, Cobden, Cromwell, College N, Fourth N, Euphemia N and Lochiel. 197 flyers to be delivered once a week (Thurs) Profit every two weeks would be \$66.98.

Route - SF203
This route is located on Carter, Champlain, Marquette and Thomas. It has 56 flyers to be delivered once a week (Thurs). Your profit every two weeks would be approx. \$21.76.

SF4001
This route is located on Davis, Kathleen, Mackenzie South and Wellington St. It has 153 flyers to be delivered once a week (Thurs) Profit every two weeks would be approx. \$52.02.

SF299-Willshire
This route is located on Darbunyk, Sheffield. It has 49 flyers to be delivered once a week (Thurs) Profit every two weeks would be approx. \$16.66.

SF240
This route is located on Bond, Guthrie and Jordan. It has 40 flyers to be delivered once a week (Thurs) Profit every two weeks would be approx. \$13.60.

SF24
This route is located on Fleming & Highway. It has 80 flyers to be delivered once a week (Thurs) Your profit every two weeks would be approx. \$16.20.

Penny Churchill @519-344-3641, Ext. 5
pchurchill@postmedia.com

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Sandy 519-607-5574.

THE OBSERVER

Carriers Wanted

Tues, Thurs, Sat
Route - SC0295
This route is located on Elrick, Lois, Randy, McGee and Mills. It has 20 Observer customers and 39 flyers to be delivered once a week (Thurs). Your profit every two weeks would be approx. \$32.00.

Contact Penny Churchill
519-344-3641 Ext. 50229
pchurchill@postmedia.com

Sarnia & Lambton County
This Week

Carriers Wanted

Delivery every Thursday before 9pm

Route SF1010-Townhouses - Cornua
This route is located at 351 & 357 Murray St. It has 41 flyers to be delivered once a week (Thurs) Your profit every two weeks would be approx. \$13.60.

SF302 - Brights Grove
This route is located on Lakewood & Lisa. It has 40 flyers to be delivered once a week (Thurs) Your profit every two weeks would be approx. \$13.60.

Route SF100 - Brights Grove
This route is located on Avenue Rd, Frances, and Mary's Lane. It has 67 flyers to be delivered once a week (Thurs). Your profit every two weeks would be approx. \$22.76.

Route 913 - Camachie
This route is located on Cardinal, Donaldson, Franklin, Hummingbird, Mockingbird, Pheasant and Sandpiper. It has 56 flyers to be delivered once a week (Thurs). Your profit every two weeks would be approx. \$18.04.

Route 346 - Brights Grove
This route is located on Driftwood. It has 30 flyers to be delivered once a week (Thurs). Your profit every two weeks would be approx. \$10.80.

Contact Penny Churchill
519-344-3641 Ext. 5
pchurchill@postmedia.com



Legal & Tender Notices

Notice of Public Information Session 2

Twin Creeks Environmental Centre Landfill Optimization Project Environmental Assessment
November 29 & December 5, 2023 | 4 - 8 PM
Twin Creeks Environmental Centre
5768 Nauvoo Road, Watford, ON N0M 2S0

WM Canada (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, will be holding **Public Information Sessions 2** for the TCEC Landfill Optimization Project Environmental Assessment (EIA).

There are approximately 8 years of approved landfill airspace capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2030). The Project would provide additional airspace of approximately 34 million cubic metres, which would extend the site life by approximately 11 years (from 2020 to 2030), and may be achieved through alternative landfill configurations or alternative methods within the existing 2023 site area. No changes are proposed to the size of the TCEC site area, approved service area, or annual fill rate.

The purpose of the EIA is to assess the potential effects of the Project on the environment. For additional information on the project, please visit the project website: www.wm.ca/landfill/twin-creeks-landfill-optimization-project

Public Information Session 2 is being held to:

- Provide an update on the EIA
- Present a screening of Alternative Methods
- Provide a summary of Existing Conditions
- Present next steps in the EIA 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 29 and December 5.

If you have questions, please contact:

Wade Jordan
Levitt Engineering
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519-842-5653
wjordan@levitt.com

Larry Feller, P.Eng. M.B.A.
Solid Waste Program Lead
WM Canada
150 York Blvd., Suite 300
Richmond Hill, ON L4B 1J8
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Tues, Thurs, Sat
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This route is located on Elrick, Lori, Randy, McGree and Mills. It has 20 Observer customers and 39 flyers to be delivered once a week (Thurs). Your profit every two weeks would be approx. \$32.00.

Contact Penny Churchill
519-344-3641 ext. 502259
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This Week**Carriers Wanted**

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Route SF1010 - Townhouses - Corunna
This route is located at 351 & 357 Murray St. It has 41 flyers to be delivered once a week (Thurs) Your profit every two weeks would be approx \$13.94.

SF532 - Brights Grove
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Route 913 - Camlachie
This route is located on Cardinal, Donaldson, Franklin, Hummingbird, Mockingbird, Pheasant and Sandpiper. It has 56 flyers to be delivered once a week (Thurs). Your profit every two weeks would be approx. \$19.04.

Route 346 - Brights Grove
This route is located on Driftwood. It has 32 flyers to be delivered once a week (Thurs). Your profit every two weeks would be approx. \$10.88.

Contact Penny Churchill
519-344-3641 Ext. 5
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This Week**Carriers Wanted**

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Route SF83
This route is located on Cartier, Champlain, Marquette and Thomas. It has 64 flyers to be delivered once a week (Thurs). Your profit every two weeks would be approx. \$21.76.

SF4001
This route is located on Davis, Kathleen, Mackenzie South and Wellington St. It has 153 flyers to be delivered once a week (Thurs) Profit every two weeks would be approx \$52.02.

SF299 - Wiltshire
This route is located on Danbury & Sheffield. It has 49 flyers to be delivered once a week (Thurs) Profit every two weeks would be approx. \$16.66.

SF240
This route is located on Bond, Guthrie and Jordan. It has 40 flyers to be delivered once a week (Thurs) Profit every two weeks would be approx \$13.60.

SF241
This route is located on Flamingo & Highbury. It has 60 flyers to be delivered once a week (Thurs) Your profit every two weeks would be approx. \$16.20.

Penny Churchill @519-344-3641, Ext. 5
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PHONE: 1-888-786-7821 • FAX: 1-866-757-0227 • EMAIL: CLASSIFIEDADS@POSTMEDIA.COM**Legal & Tender Notices****Notice of Public Information Session 2****Twin Creeks Environmental Centre Landfill Optimization Project | Environmental Assessment**

November 29 & December 5, 2023 | 4 - 8 PM

Twin Creeks Environmental Centre, 5768 Nauvoo Road, 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 2** for the TCEC Landfill Optimization Project Environmental Assessment (EA).

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The purpose of the EA is to assess the potential effects of the Project on the environment.

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

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- Present a screening of Alternative Methods
- Provide a summary of Existing Conditions
- 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 29 and December 5.

If you have questions, please contact:

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PHOTO BY PETROLIA/NORTH ENNISKILL FIRE

Firefighters from Wyoming and Petrolia work to contain a blaze at a Broadway St. home Monday. The home was destroyed and authorities are still trying to determine what started the fire.

Wyoming steps up to help fire victims

Heather Wright
The Independent

Samantha Freer was stunned when the doors to the Wyoming fire hall opened Monday.

The Wyoming woman, working with the fire department, organized a time for people to drop off donations at the hall for a couple who lost their home to a fire early that morning.

Around 2 am Monday, Wyoming firefighters were called out to a home on Broadway Street for a garage fire, Plympton-Wyoming Fire Chief Erik Campbell says.

The garage – with a vehicle inside – was already engulfed by flames.

Petrolia/North Enniskillen firefighters were called in to help. The garage was destroyed, and the wood sided home – part of which remains standing – was also extensively damaged.

“It’s pretty safe to say the home is going to be written off,” says the chief. Campbell says the department is working with the Ontario Fire Marshal’s office but it is still in the early stages of the investigation. He says the blaze doesn’t look suspicious at this time.

“Everyone got out safely thanks to working smoke alarms,” says Campbell.

A couple lives at the home and that night, one was at work when the fire started. One person and two dogs left the home in the

early morning hours.

“They lost everything,” says Freer, adding people started asking where to drop off donations as soon as the word made the rounds.

So, she organized the one-hour drop off and opened the doors.

“It was overwhelming the amount of people who brought in clothes and shoes, gift cards...it was overwhelming to say the least.”

Freer says people even brought food for the couple’s two dogs.

In that one hour, Freer saw many of her neighbours and young families bringing kids, she believes, to show them what a community can do in the face of an emergency.

The gifts collected in that hour will be more than the couple needs, says Freer. The remainder will go to a charity, maybe the River City Vineyard, to help others in need.

And, for the next little while, anyone who would like to contribute a gift card to help the couple get through this difficult time, they can drop them off at the Plympton-Wyoming municipal office during regular business hours.

Freer was moved by the generosity of her neighbours. “The devastation of seeing them losing their house touched people,” she says.

“It’s the time of the year, too,” she says of people’s need to give. “People are feeling generous and are wanting to do something.”

Edward St. likely to be 2024 home of soccer

While COPE Construction has begun work on the new soccer pitches at Petrolia’s Oil Heritage Community Centre, the town is planning for another season of soccer on Edward Street.

The town recently approved \$1.3 million to tile and prepare the fields and build a

new 100-car parking lot at the Y. But it also extended an agreement with Floyd Vanderwall for the use of the Edward St. soccer pitches until Oct. 2024.

VanderWall provides the land – which will eventually be housing – for the cost of the taxes on the land.

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Notice of Public Information Session 2

Twin Creeks Environmental Centre Landfill Optimization Project Environmental Assessment

November 29 & December 5, 2023 | 4 - 8 PM
 Twin Creeks Environmental Centre
 5768 Nauvoo Road, 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 2** for the TCEC Landfill Optimization Project Environmental Assessment (EA).

There are approximately 8 years of approved landfill airspace capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project would provide additional airspace of approximately 14 million cubic metres, 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 purpose of the EA is to assess the potential effects of the Project on the environment.

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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. Solid Waste Program Lead, Canada HDR Corporation 100 York Blvd., Suite 300, Richmond Hill, ON L4B 1J8 289.695.4696 larry.fedec@hdrinc.com
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SF532 - Brights Grove
This route is located on Lakewood & Lisa. It has 40 flyers to be delivered once a week (Thurs) Your profit every 2 weeks would be approx. \$13.60.
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Contact Penny Churchill
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pchurchill@postmedia.com

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This route is located on Hay and Rocco. It has 42 flyers to be delivered once a week (Thurs) Your profit every two weeks would be approx \$14.28.
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This route is located on Danbury & Sheffield. It has 49 flyers to be delivered once a week (Thurs) Profit every two weeks would be approx. \$16.66.
SF240
This route is located on Bond, Guthrie and Jordan. It has 40 flyers to be delivered once a week (Thurs) Profit every two weeks would be approx \$13.60.
SF241
This route is located on Flamingo & Highbury. It has 60 flyers to be delivered once a week (Thurs) Your profit every two weeks would be approx. \$16.20.
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pchurchill@postmedia.com

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Notice of Public Information Session 2



Twin Creeks Environmental Centre Landfill Optimization Project Environmental Assessment

November 29 & December 5, 2023 | 4 - 8 PM

Twin Creeks Environmental Centre, 5768 Nauvoo Road, 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 2** for the TCEC Landfill Optimization Project Environmental Assessment (EA).

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The purpose of the EA is to assess the potential effects of the Project on the environment.

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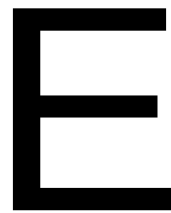
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Indigenous Community Mailing List

Indigenous Communities/Organizations

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Completed Sign-In Sheet



Public Information Session 2

Twin Creeks Environmental Centre Landfill Optimization Project EA

November 29, 2023

5768 Nauvoo Road, Watford, ON N0M 2S0

Name	Address	Phone Number	Email
Wayne Morris Todd Case			
Amanda Gubins			
Tara Smith			
Stephanie Catyasse			
Joelanie McCormick			
Mary Lynn Mathas			
Mike Richardson			
Erna Leclair			
Fallon Burch			
Julie Jones			
Ken Melanson			
Bruce McDonald			
Deanna Muxlow			
Joe Mezenberg			
Mike Simpson			
Bill Davies			

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Public Information Session Content



Twin Creeks Environmental Centre

Landfill Optimization Project Environmental Assessment

Public Information Session 2

November 29 & December 5, 2023

Welcome

Public Information Session 2 is being held to present the following:

- Update on the Environmental Assessment (EA)
- Screening of Alternative Methods
- Review of Approved Evaluation Criteria
- A Summary of Existing Conditions
- Next steps in the EA Process
- Consultation and Engagement Opportunities

WM staff and consultants are available to answer your questions

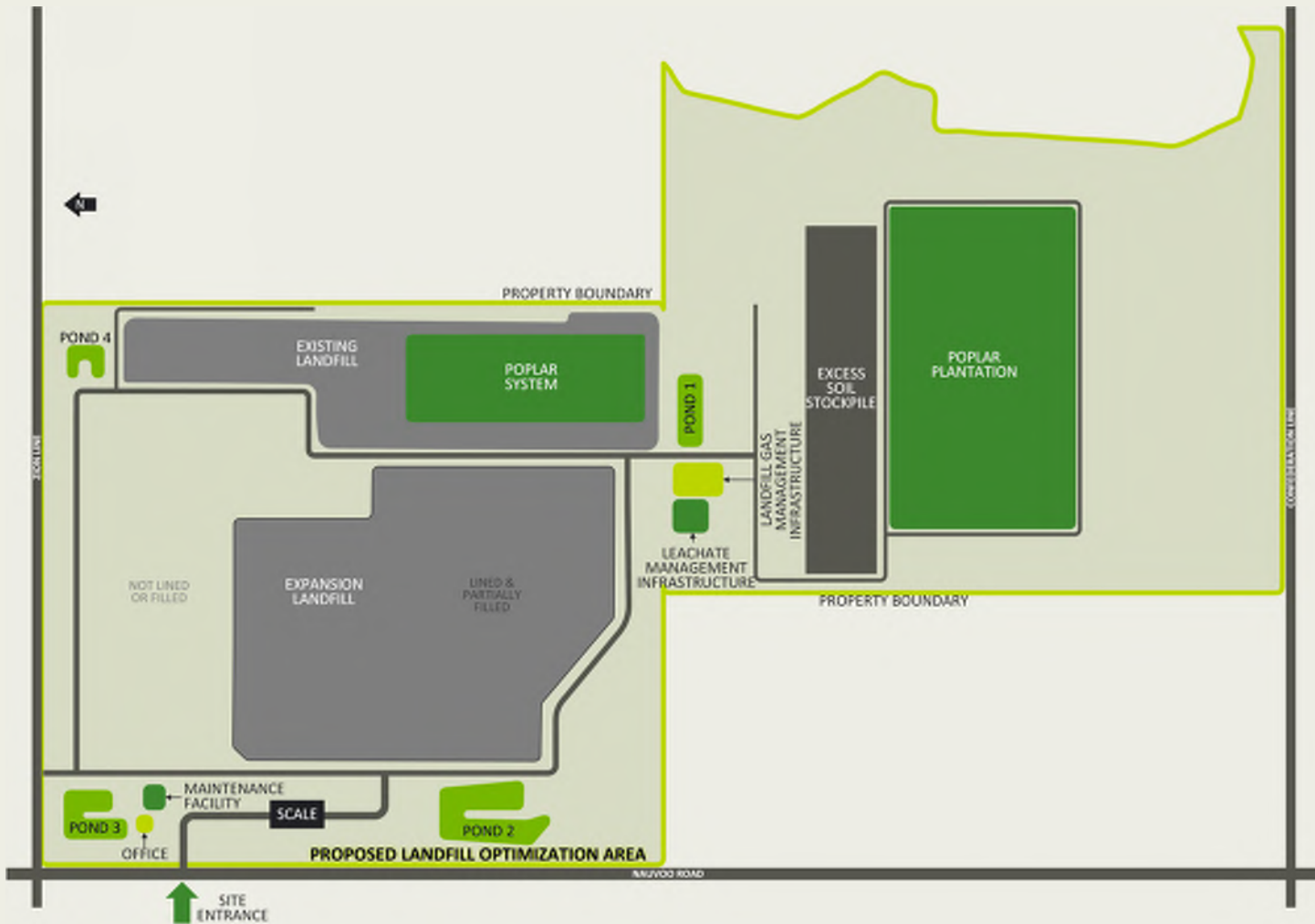


Site Overview



Twin Creeks Environmental Centre Overview	
Year Opened	1972
First Year Operated by WM	1996
Projected Life Remaining	~8.4 years
Total Area	301 ha
Permitted Landfill Footprint	101.8 ha
Approved Capacity	~26.5M m ³
Remaining Capacity	~11.6M m ³
Annual Fill Rate	1.4M tonnes/year

Project Overview



The purpose of the project is to provide **additional landfill airspace of up to approximately 14M m³** and **extend site life by approximately 12 years** (from 2031 to 2043).

This would be achieved through **optimizing the Expansion Landfill design and operation**, maximizing the use of the constructed infrastructure and significant investment made at the Twin Creeks Environmental Centre.

The additional capacity would be achieved through either a **vertical expansion within the currently-approved 101.8 ha Expansion Landfill footprint** or a **horizontal expansion within the 301 ha site**.

No changes are proposed to the:

- current 301 ha site area
- approved service area
- annual fill rate

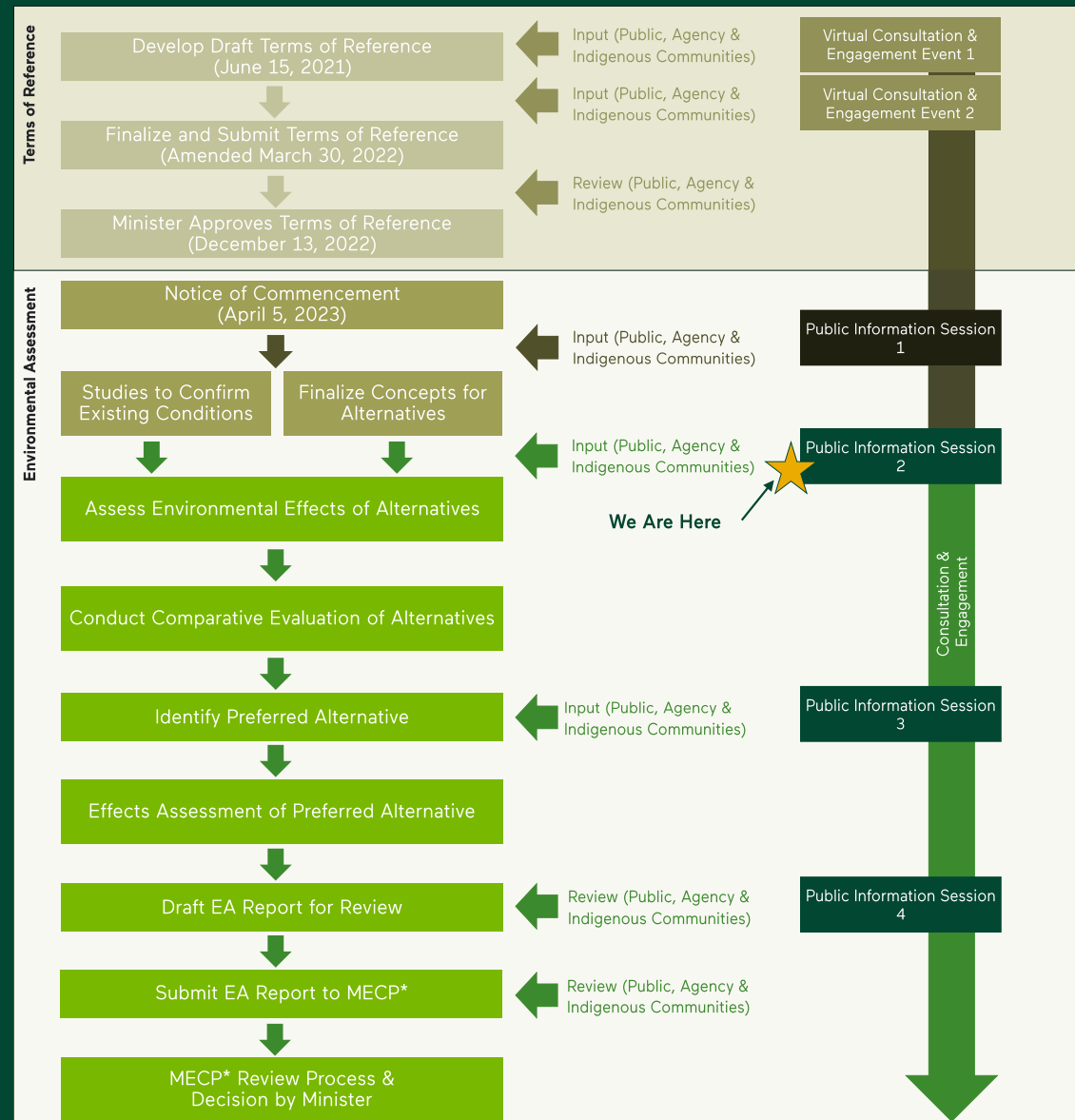
Environmental Assessment Update

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

Studies to confirm existing conditions have been undertaken and documented in draft Existing Conditions Reports. These reports are available for public review.

Representative concepts for vertical and horizontal alternative methods have been developed and evaluated to determine the alternative methods that will be assessed in the EA.

The next step is the assessment of the environmental effects of the alternative methods, which will be documented in a series of Effects Assessment Reports.

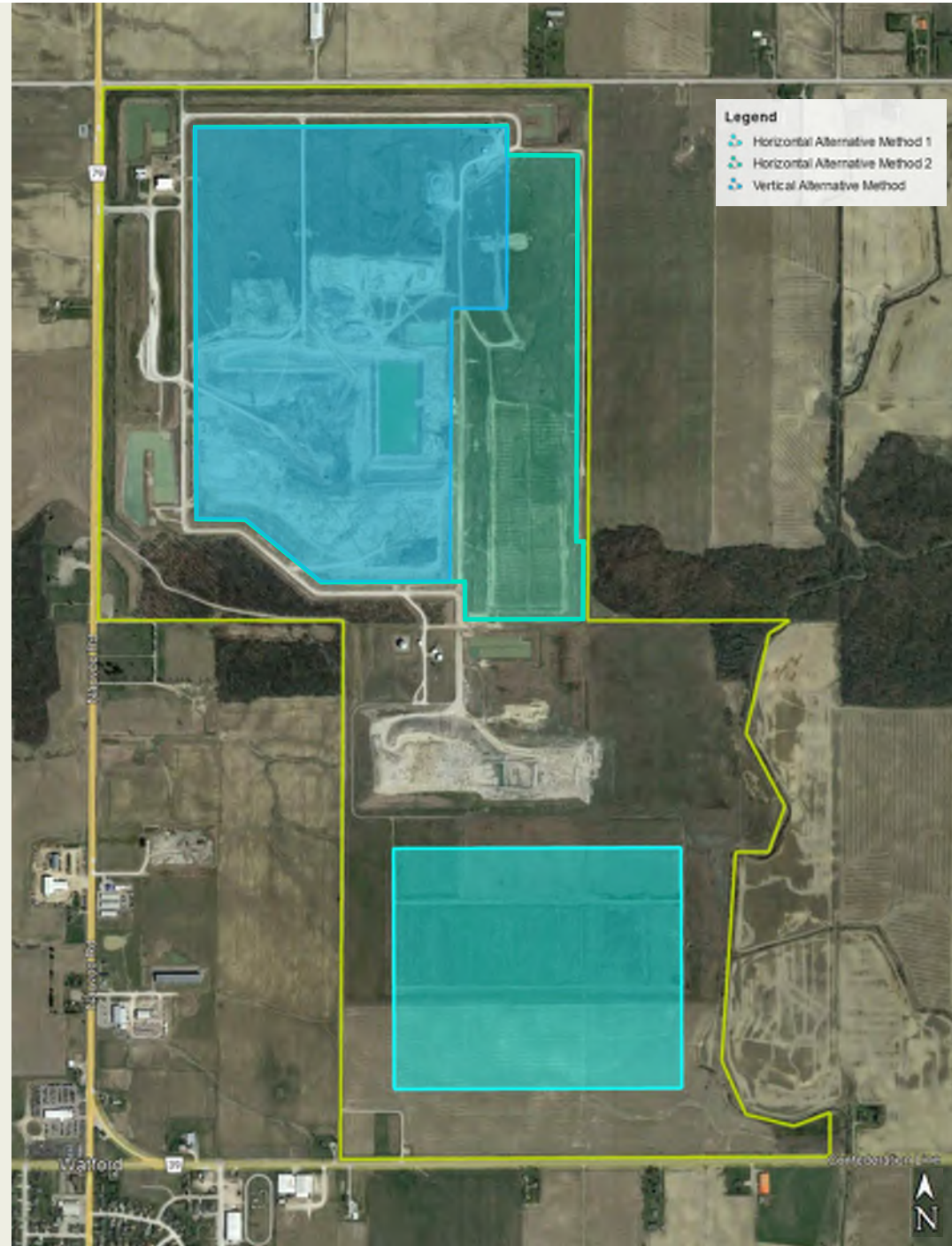


*MECP = Ministry of Environment, Conservation and Parks

Alternative Methods

Three Alternative Methods were developed:

Alternative Method	Description
Vertical Alternative Method	This vertical alternative method was developed to be representative of all vertical alternative methods. The representative vertical alternative method is contained within the approved Expansion Landfill footprint within the northern half of the TCEC site. This alternative method will cover an area of 75.4 ha and will provide a capacity of approximately 14,000,000 m ³ , which would extend the site life by about 12 years.
Horizontal Alternative Method 1	This horizontal alternative method was developed to be representative of all horizontal alternative methods in the southern half of the TCEC site. Horizontal Alternative Method 1 is located south of the existing soil stockpile. This alternative method will cover an area of 43.2 ha and will provide a capacity of approximately 14,000,000 m ³ , which would extend the site life by about 12 years.
Horizontal Alternative Method 2	Horizontal Alternative Method 2 is located within the eastern portion of the northern half of the TCEC site and includes both the Expansion Landfill and Old Landfill footprints. This alternative method will cover an area of 101.8 ha and will provide a capacity of approximately 14,000,000 m ³ , which would extend the site life by about 12 years.



Alternative Methods Screening

The three Alternative Methods were evaluated and compared against each other using criteria consisting of:

- Cost and Constructability considerations
- Technical considerations
- Environmental considerations
- Social and Cultural considerations
- Land Use considerations

Criteria	Indicator
Cost & Constructability Considerations	
Landfill Capacity	Landfill capacity provided by the alternative method.
Site Life Extension	Potential site life extension for the landfill based on the estimated landfill capacity.
Required infrastructure	Infrastructure required but not currently available in the proposed landfill area.
Upgrades to existing infrastructure	Infrastructure present in the landfill area that requires upgrades.
Required site development	Site development required to accommodate the alternative method.
Required permits and approvals	Nature and complexity of required permits and approvals.
Technical Considerations	
Excavation requirements	Excavation required to accommodate the alternative method.
Soil stockpiling requirements	Soil stockpiling requirements for the alternative method.
Liner requirements	Liner system required for the alternative method.
Landfill gas management	Landfill gas management required for the alternative method.
Leachate management	Leachate management required for the alternative method.
Stormwater management	Stormwater management required for the alternative method.
Haul distance on site	Distance from the weigh scale to the alternative method along on-site roadways.

Criteria	Indicator
Environmental Considerations	
Air Quality, Odour, and Noise	Changes in potential effects on air quality, odour, and noise.
Surface Water	Changes in potential effects on surface water.
Groundwater	Changes in potential effects on groundwater.
Vegetation Removal	Extent of vegetation removal required for landfill development.
Social & Cultural Considerations	
Residential Areas and Sensitive Receptors	Proximity to residential areas and sensitive receptors.
Cultural Heritage and Archaeological Resources	Proximity to cultural heritage sites, structures, areas of significance, archaeological resources, historic artifacts, or historic sites.
Agricultural Land	Proximity to agricultural lands.
Land Use Considerations	
Zoning	Compatibility with existing zoning.
Land Use	Compatibility with current and planned land use.

Summary of Screening Results

Criteria		Indicator	Vertical Alternative Method	Horizontal Alternative Method 1	Horizontal Alternative Method 2
Cost & Constructability Considerations					
Landfill Capacity	Landfill capacity provided by the alternative method.		Approximately 14,000,000 m ³	Approximately 14,000,000 m ³	Approximately 14,000,000 m ³
Site Life Extension	Potential site life extension for the landfill based on the estimated landfill capacity.		About 12 years	About 12 years	About 12 years
Required infrastructure	Infrastructure required but not currently available in the proposed landfill area.		Only upgrades required.	New LFG collection system, leachate collection system, and new on-site access roads.	New LFG collection system and new on-site access road.
Upgrades to existing infrastructure	Infrastructure present in the landfill area that requires upgrades.		Expansion of LFG collection system within the landfill.	Additional leachate pump stations, holding tank or forcemain. LFG upgrades for pressure loss from new LFG system.	Existing leachate collection system within Old Landfill may need substantial upgrades.
Required site development	Site development required to accommodate the alternative method.		Potential addition to visual screening berms.	Excavation, stormwater management (ditches/pond), visual screening berms.	Relocation of poplar forest, final cover removal, potential stormwater management, potential visual screening berms.
Required permits and approvals	Nature and complexity of required permits and approvals.		EA, Environmental Compliance Approvals, Official Plan Amendments.	EA, Environmental Compliance Approvals, Official Plan Amendments, Zoning By-law Amendment.	EA, Environmental Compliance Approvals, Official Plan Amendments.
Technical Considerations					
Excavation requirements	Excavation required to accommodate the alternative method.		None.	Excavation of 43.2 ha to 10 m below ground.	Excavation of final cover, waste within Old Landfill, and area between Expansion Landfill and Old Landfill.
Soil stockpiling requirements	Soil stockpiling requirements for the alternative method.		None.	Substantial stockpiling of excavated soil will be required.	Stockpiling of removed final cover materials and excavation of area between the Expansion Landfill footprint and the Old Landfill area.
Liner requirements	Liner system required for the alternative method.		None.	A full engineered base liner will be required.	An engineered base liner will be required between the Expansion Landfill footprint and the Old Landfill area. The Old Landfill area was constructed without an engineered base liner.
Landfill gas management	Landfill gas management required for the alternative method.		LFG collection system will require expansion.	Requires new LFG collection system, upgrades to existing LFG collection system.	Requires new LFG collection system.
Leachate management	Leachate management required for the alternative method.		No changes required.	Requires new leachate collection system and upgrades to existing system (pump stations/forcemain).	Existing leachate collection system in Old Landfill may require substantial upgrades.
Stormwater management	Stormwater management required for the alternative method.		No changes required.	Stormwater management required including new drainage ditches and pond.	Additional stormwater management may be required.
Haul distance on site	Distance from the weigh scale to the alternative method along on-site roadways.		No changes required.	~2 km of additional haul distance	~1.6 km of additional haul distance

Summary of Screening Results

Criteria	Indicator	Vertical Alternative Method	Horizontal Alternative Method 1	Horizontal Alternative Method 2
Environmental Considerations				
Air Quality, Odour, and Noise	Changes in potential effects on air quality, odour, and noise.	Potential effects on air quality, odour, and noise would occur within the same general area.	Potential air quality, odour, and noise effects would occur closer to sensitive receptors in Watford and the south end of the TCEC site.	Potential air quality, odour, and noise effects would occur closer to neighbouring residences and businesses to the east of the TCEC site.
Surface Water	Changes in potential effects on surface water.	Unlikely that surface water off-site will be affected.	There may be changes to stormwater drainage patterns and potential effects on surface water flows to Brown Creek and surrounding lands due to required changes in stormwater management.	Unlikely that surface water off-site will be affected.
Groundwater	Changes in potential effects on groundwater.	No changes anticipated.	There may be changes to groundwater quantity from reduced infiltration rates caused by the excavation of 43.2 ha area to 10 m below ground.	There may be changes to groundwater quality because the Old Landfill was constructed without an engineered base liner.
Vegetation Removal	Extent of vegetation removal required for landfill development.	None.	Removal of vegetation within the footprint and for access roads.	The existing poplar forest located on the south corner of the Old Landfill Area will be required to be compensated. Removal of the final cover will be required.
Social & Cultural Considerations				
Residential Areas and Sensitive Receptors	Proximity to residential areas and sensitive receptors.	No change to proximity to residential areas and sensitive receptors.	Much closer to Watford, residential receptors to the south of the TCEC site, and nearby recreational facilities such as the Watford Dog Park and East Lambton Community Complex.	Closer to residential receptors to the east of the TCEC site and neighbouring farms and businesses.
Cultural Heritage and Archaeological Resources	Proximity to cultural heritage sites, structures, archaeological resources, historic artifacts, or historic sites.	No change to proximity to cultural heritage and archaeological resources.	Much closer to archaeological resources located in the southeast corner of the TCEC site (within 250 m).	Slightly closer to archaeological resources located in the southeast corner of the TCEC site.
Agricultural Land	Proximity to agricultural lands.	No change to proximity to agricultural lands.	Located partially within existing agricultural lands at the south end of the TCEC site.	Directly adjacent to neighbouring agricultural lands to the east.
Land Use Considerations				
Zoning	Compatibility with existing zoning.	Compatible with existing zoning.	Zoning By-law Amendment required for the use of the agricultural area at the south end of the TCEC site.	Compatible with existing zoning.
Land Use	Compatibility with current and planned land use.	No changes to land use.	Partially compatible with existing land use. Land at the south end of the site is currently used for agriculture.	Partially compatible with existing land use. Land at the east side of the site is used for a closed landfill and a poplar plantation for leachate management.

The results of the screening indicate that the representative Vertical Alternative Method is preferred over the Horizontal Alternative Methods. Additional vertical Alternative Methods will be developed within the same footprint for assessment in the EA.

Approved Evaluation Criteria

The evaluation criteria consider the environments outlined by the MECP including Natural Environment, Socio-Economic Environment, Cultural Environment, and Built Environment.

Evaluation Criteria		Rationale	Indicators
Natural Environment			
Atmospheric Environment			
Air Quality			
Blowing Litter	Waste disposal site and associated operations can release litter, which may be blown to the surround areas.	• Extent of zones potentially impacted by blowing litter. • Number of off-site receptors potentially affected (e.g., residential properties, public facilities, businesses/farms odour sensitive area(s), institutions).	
Landfill Gas and Combustion By-Products	Waste disposal site and associated operations can emit gaseous contaminants that can degrade air quality.	• Off-site point of impingement air concentrations of indicator compounds at identified receptors in the immediate vicinity of the site, and community (within 5 km). • Frequency of any exceedance of applicable standards, limits, or guidelines at identified receptors. • Number of off-site receptors potentially affected (e.g., residential properties, public facilities, businesses/farms, institutions).	
Dust	Construction and operation activities at a waste disposal site can lead to increased levels of particulates (dust) in the air.	• Off-site point of impingement air concentrations of particulate matter (dust) compounds at identified receptors in the immediate vicinity of the site, and community. • Frequency of any exceedance of applicable standards, limits, or guidelines at identified receptors. • Number of off-site identified receptors potentially affected (e.g., residential properties, public facilities, businesses/farms, institutions). • Both operational and construction activities occurring in each of the future operational stages of the landfill considered in the assessment will be independently identified, described, and assessed.	
Odour	Waste disposal site and associated operations can emit contaminants that generate odorous emissions.	• Off-site odour concentrations (odour units) at identified odour sensitive receptors in the immediate vicinity of the site. • Frequency of any odour levels above defined odour benchmarks. • Number of off-site receptors potentially affected (e.g., residential properties, public facilities, businesses/farms odour sensitive area(s), institutions).	
Noise	Activities related to construction/rehabilitation, operation of the landfill and ancillary facilities, and the offsite haul route can result in an increase in off-site noise levels.	• Predicted site-related noise levels (measured in dBA or dBAI). • Change in sound levels (dB).	

Approved Evaluation Criteria

Evaluation Criteria		Rationale	Indicators
Natural Environment (continued)			
Geology and Hydrogeology			
Groundwater Quality	Contaminants associated with waste disposal at the TCEC have the potential to enter the groundwater and impact on-site groundwater. Acceptable groundwater quality, which is 80% of the Guideline B-7 criteria for the PLIL parameters, must be shown at the TCEC boundaries.	• Predicted effects on groundwater quality on-site from increased waste quantities disposed within the Expansion Landfill. • Predicted contaminating lifespan.	
Groundwater Quantity	The landfill optimization has the potential to affect the established hydraulic trap design for the Expansion Landfill and understood groundwater flow patterns on-site and off-site.	• Predicted effect of landfill optimization on groundwater flow and quantity both on-site and off-site.	
Surface Water Environment			
Surface Water Quality	The landfill optimization has the potential to affect surface water quality through either possible leachate seepage through the landfill cap increased erosion of the landfill clayey soil cap or track-out of Automobile Shredder Residue (ASR) wastes off-site.	• Predicted effects on surface water quality on-site prior to off-site discharge. • Predicted effects from polyaromatic hydrocarbons (PAHs), in ASR, on surface water quality within the roadside ditch of the northbound lane of Nauvoo Road from the TCEC to Hwy 402 in the Off-Site Study Area.	
Surface Water Quantity	Construction of physical works may disrupt natural surface drainage patterns and may alter runoff and peak flows. The presence of the expanded landfill may also affect base flow to surface water.	• Change in runoff volumes and peak flows resulting from steeper and longer side slopes. • Changes to drainage areas on-site and off-site. • Predicted occurrence and degree of off-site effects to surface water flows.	
Ecological Environment			
Terrestrial Ecosystems	Continued or expanded operation of the waste disposal facility may disturb the functioning of natural terrestrial habitats, including rare, threatened, or endangered species.	• Predicted effects on vegetation communities and species including rare, threatened, or endangered species. • Predicted effects on wildlife and wildlife habitat including rare, threatened, or endangered species.	
Aquatic Ecosystems	Continued or expanded operation of the waste disposal facility may disturb the functioning of natural aquatic habitats and species, including rare, threatened, or endangered species.	• Predicted effects on aquatic habitat, including fish habitat. • Predicted effects on aquatic biota including rare, threatened, or endangered species.	

Air Quality Existing Conditions

Existing site is approved and monitored. Operations include measures to reduce the potential for impacts.

Dust

- 10 dust complaints related to track-out (2009-2023) – 60% in 2021 when ASR was used as daily cover material; 1 complaint in 2022 regarding track out.
- Modelling of existing conditions showed few exceedances of applicable criteria (24-hour TSP and 24-hour PM₁₀ at 4 locations, with frequency of maximum 0.4% and 0.2%, respectively).

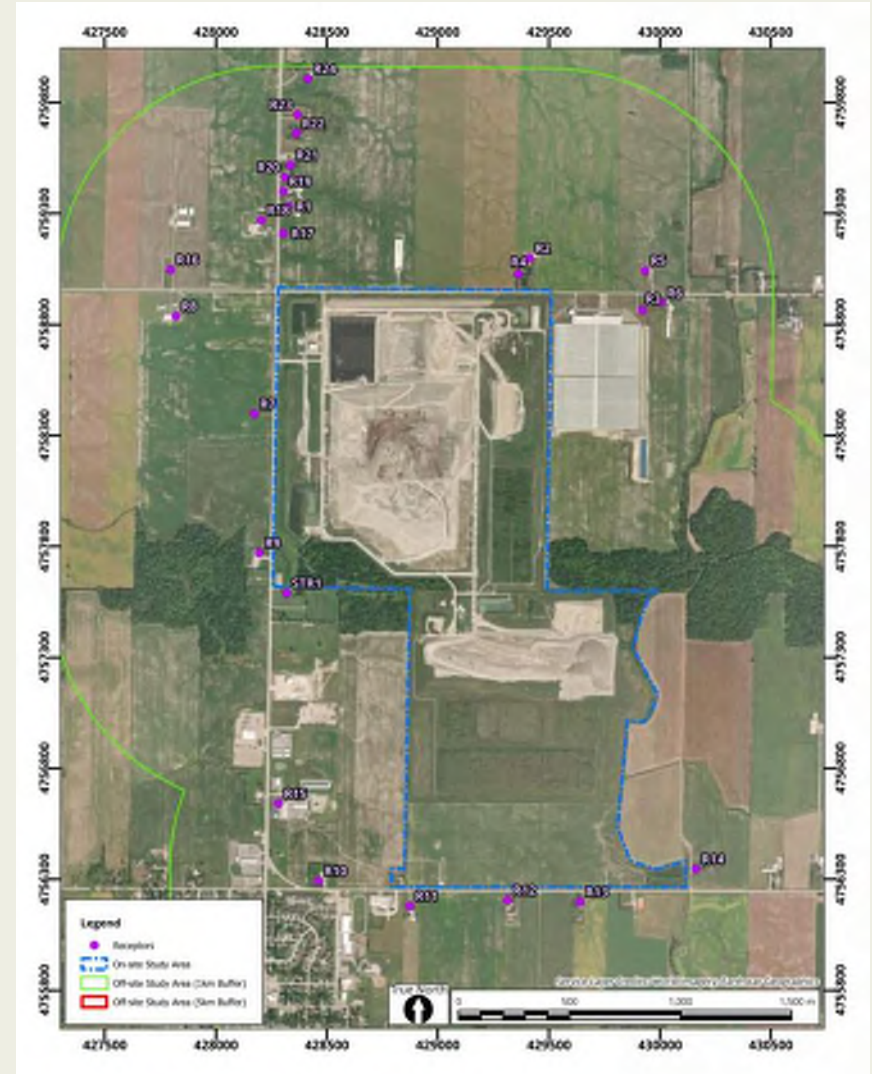
Litter

- 14 litter complaints received (2019-2023). Blowing litter effects are actively managed through the Blowing Litter BMPP to minimize off-site impacts and resolve complaints.

Landfill Gas and Combustion By-products

- Concentrations comply with applicable criteria except for 10-minute H₂S, and 10-minute and 24-hour TRS, which are predicted to exceed applicable criteria due to high background concentrations; very little contribution (<10%) from landfilling activities. The 10-minute criteria is related to odours and more details are provided in the odour section.

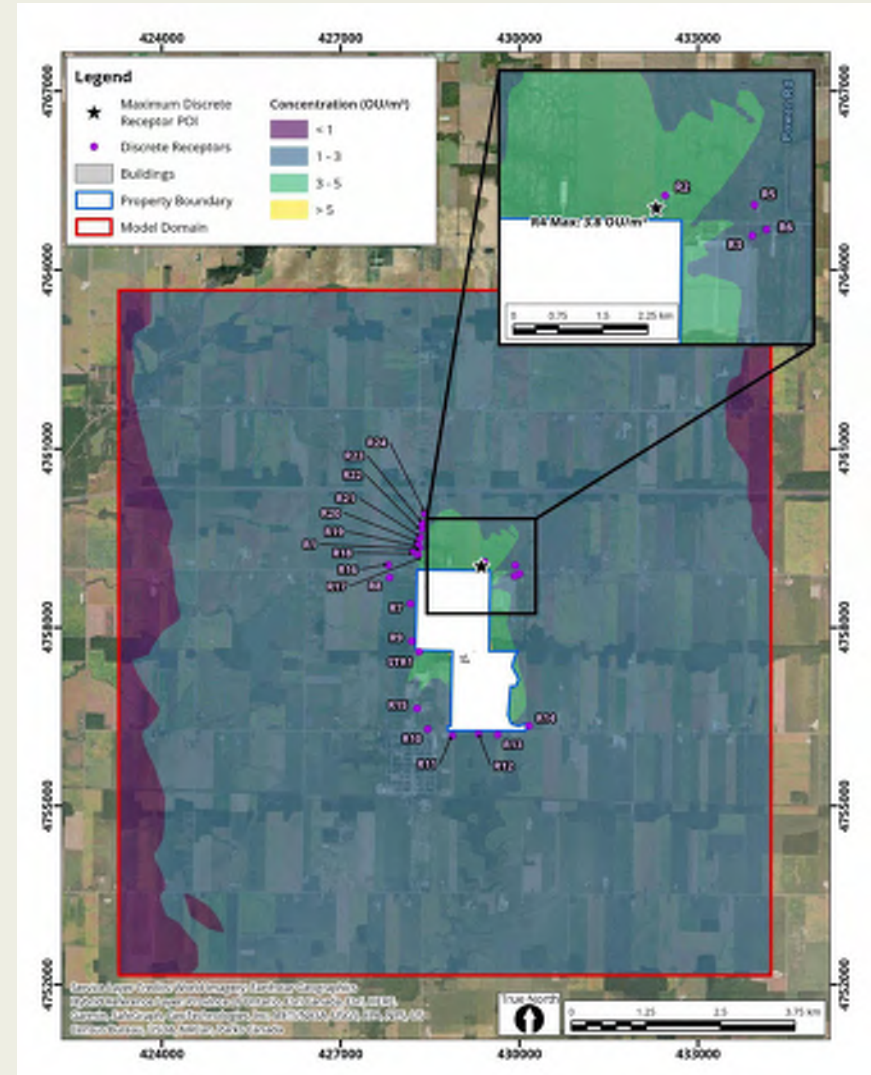
Effects from existing landfill operations are minor; emissions from the site are being managed effectively.



Site Plan showing Discrete Receptor Locations

Odour Existing Conditions

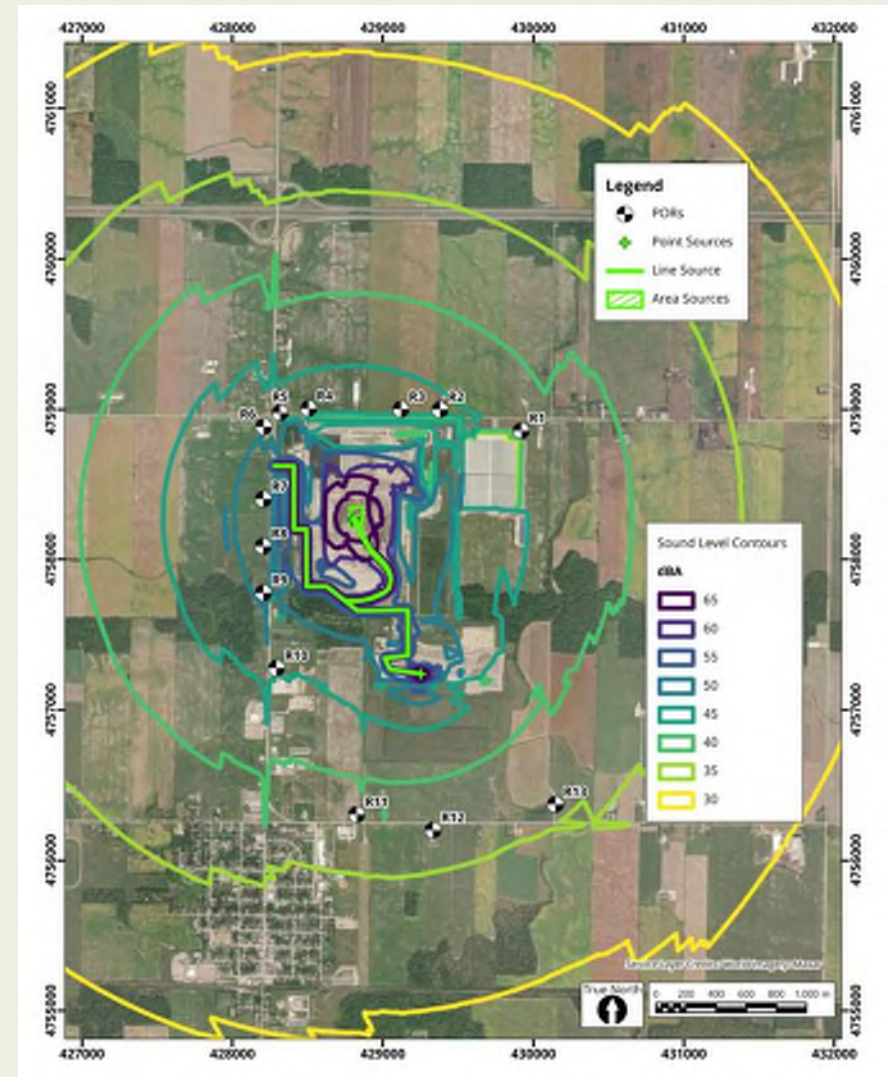
- Existing site is approved and monitored. Operations include measures to reduce the potential for impacts.
- 199 odour complaints received (2009-2023); 90% received since 2019.
- The greatest contributors of odour are landfill areas under interim and final cover and operations at the active face.
- An odour unit (OU) is the quantity of odourous substance per cubic metre.
- Typically, odour concentrations are defined as the following:
 - 1 OU/m³ – average associated with detection of odour
 - 3 to 5 OU/m³ – recognition of nuisance levels of the odour
- Odour impacts that are greater than 1 OU/m³ are considered acceptable at sensitive receptor locations if frequency of exceedance <0.5% of the time.
- Maximum odour concentrations at all sensitive receptors exceed 1 OU/m³ >0.5% of the time except at R11, R14, and STR1. Exceedance of 3 OU/m³ guideline occurs at only six receptors (R2, R3, R4, R5, R17, and STR1) <0.5% of the time. No exceedances of 5 OU/m³ occur.
- Based on the predicted odour concentrations, there is potential that landfill-related odours will be detectable and occasionally recognizable at discrete receptors from time to time which is supported by the historical complaints received.



Predicted 10-minute Odour Concentrations (OU/m³)

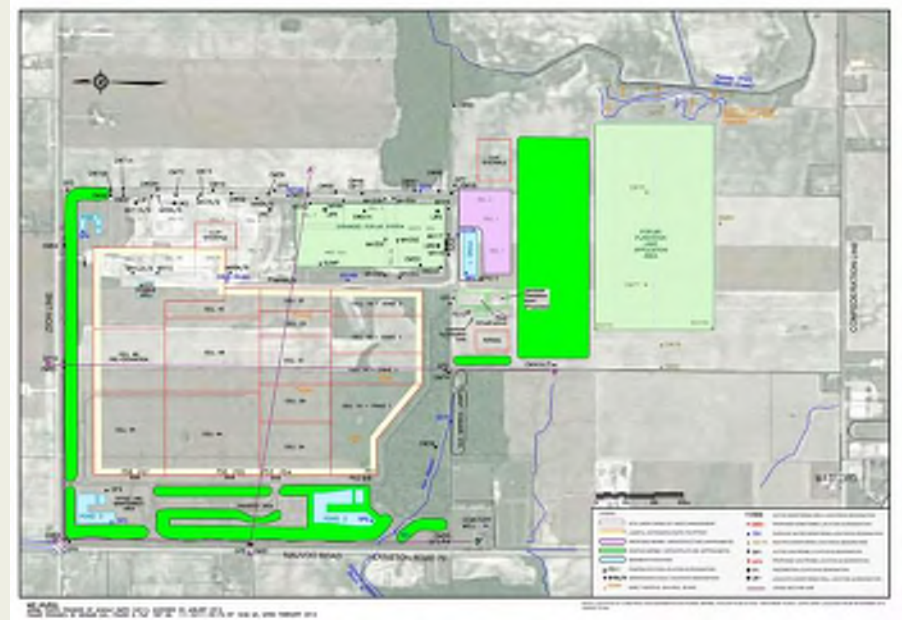
Noise Existing Conditions

- Daytime acoustic conditions in the off-site study area are generally dominated by road traffic, with nature sounds more pronounced in the evening and nighttime.
- Representative receptor locations were chosen to accurately capture existing facility sound levels in all directions.
- No noise complaints have been received since 2012.
- Modelled existing sound level at the receptor locations are:
 - From landfilling: 36 to 53 dBA
 - From ancillary facilities: 29 to 42 dBA
 - From emergency sources: <25 dBA
 - From pest control devices: 20 to 55 dBA
- Existing sound levels are below the applicable sound level limits at all receptor locations.
- Hourly haul route sound levels at the closest residences are modelled to be up to a maximum of 66 dBA during daytime. There is no maximum limit for haul route noise.

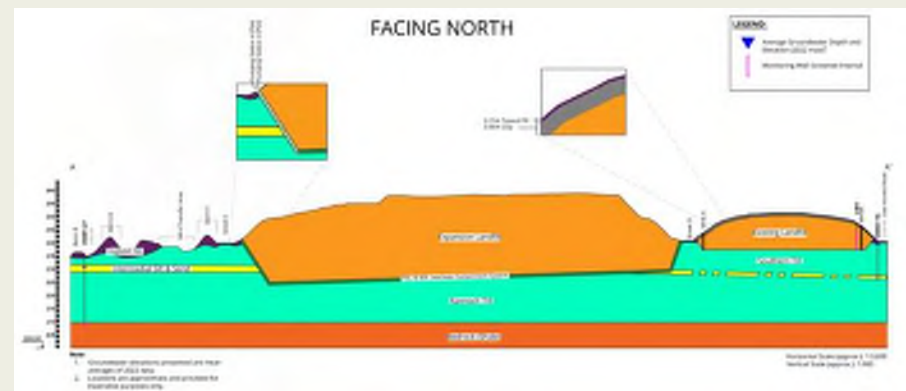


Geology & Hydrogeology Existing Conditions

- Active groundwater monitoring program in place.
- Leachate levels are monitored to manage leachate on-site through irrigation to trees (phytoremediation) and off-site through trucking to treatment plants. Leachate levels of the Expansion Site are managed to maintain the hydraulic trap of leachate.
- Leachate generation rates are currently below the predicted generation rates and projected to remain below historical predictions for the next 5 years.
- Leachate quality is monitored to evaluate chemical trends within waste cells at the TCEC and has remained consistent with historical monitoring findings.
- Groundwater quality assessment shows acceptable quality that is not negatively impacted by landfill leachate or operations.
- Groundwater quantity and off-site groundwater users are not impacted by TCEC operations.



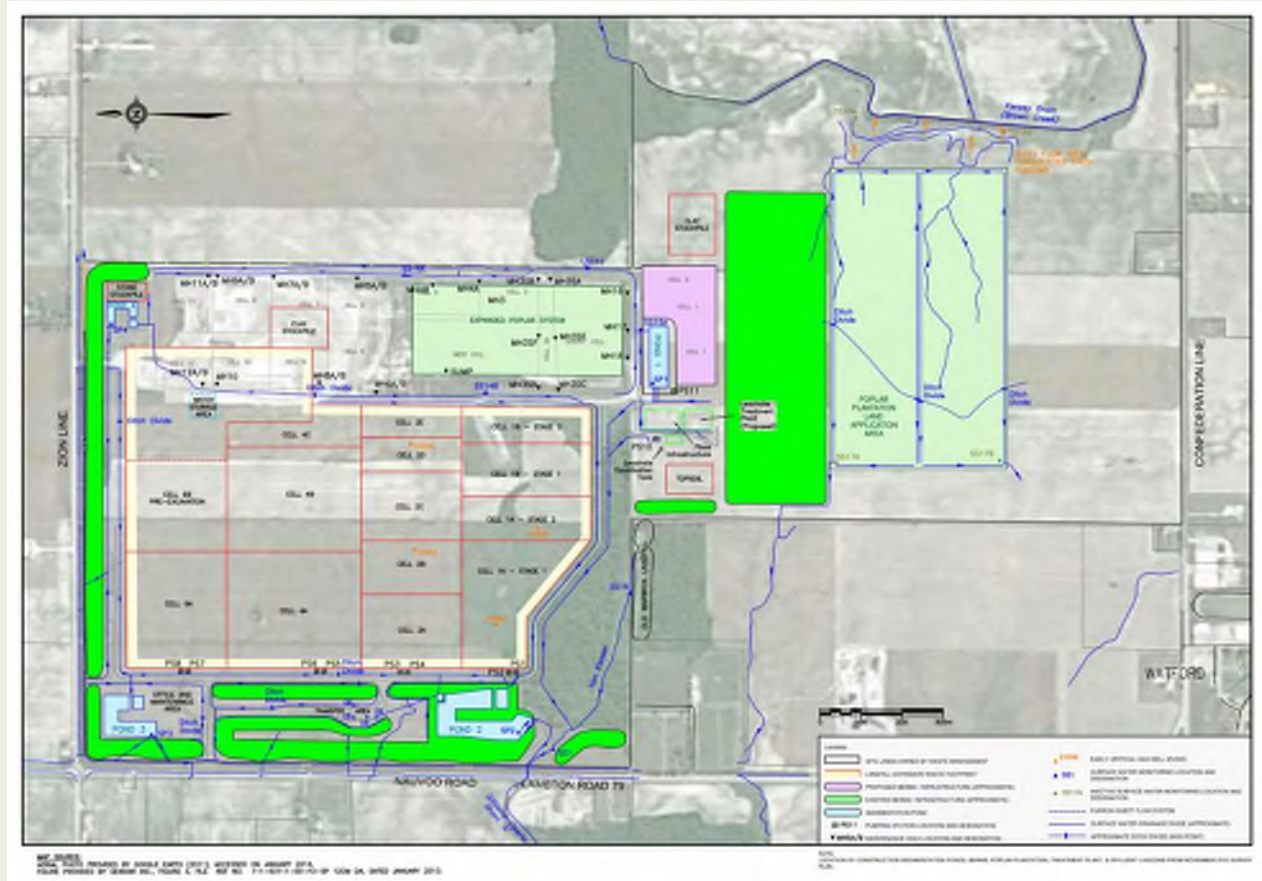
Site Plan and Monitoring Locations



Geological Cross-Section A-A'

Surface Water Quality Existing Conditions

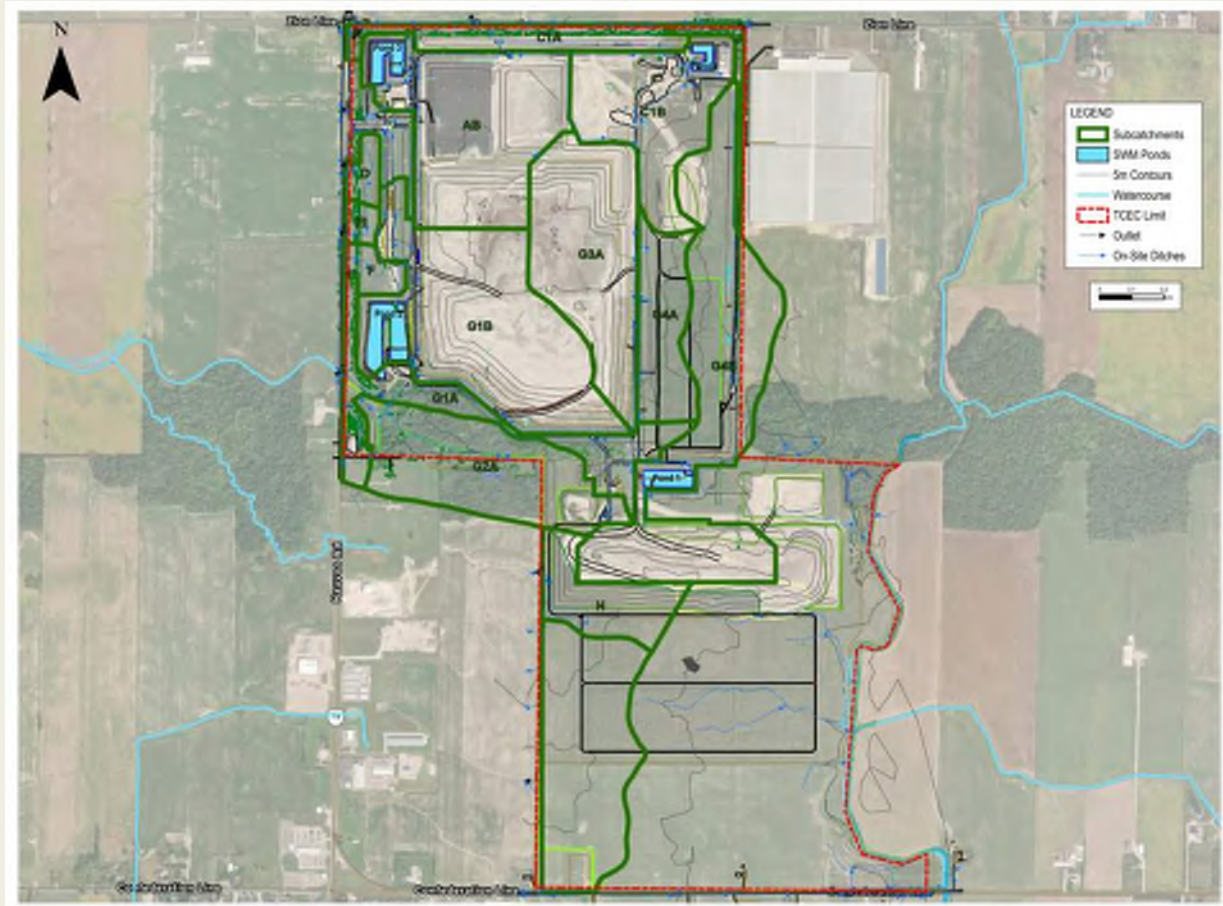
- Surface water on-site is managed through drainage features such as ditches, swales, and sedimentation ponds.
- Monitoring programs are effective in evaluating potential landfill leachate effects to surface water quality.
- On-going surface water quality monitoring indicates that surface water quality is not unacceptably impacted by the TCEC.
- Concentrations of primary leachate indicator parameters in surface water are relatively consistent. Minor deviations are related to soil erosional effects.
- Naturally occurring heavy metals enter surface water via erosion. TSS and heavy-metal concentrations in surface water are interrelated and typically increase following intense precipitation events; however, surface water monitoring indicates the water is of acceptable quality.
- The off-site temporary supplemental surface water monitoring program completed in 2022 did not indicate PAH impacts related to ASR material track-out.



Surface Water Monitoring Locations

Surface Water Quantity Existing Conditions

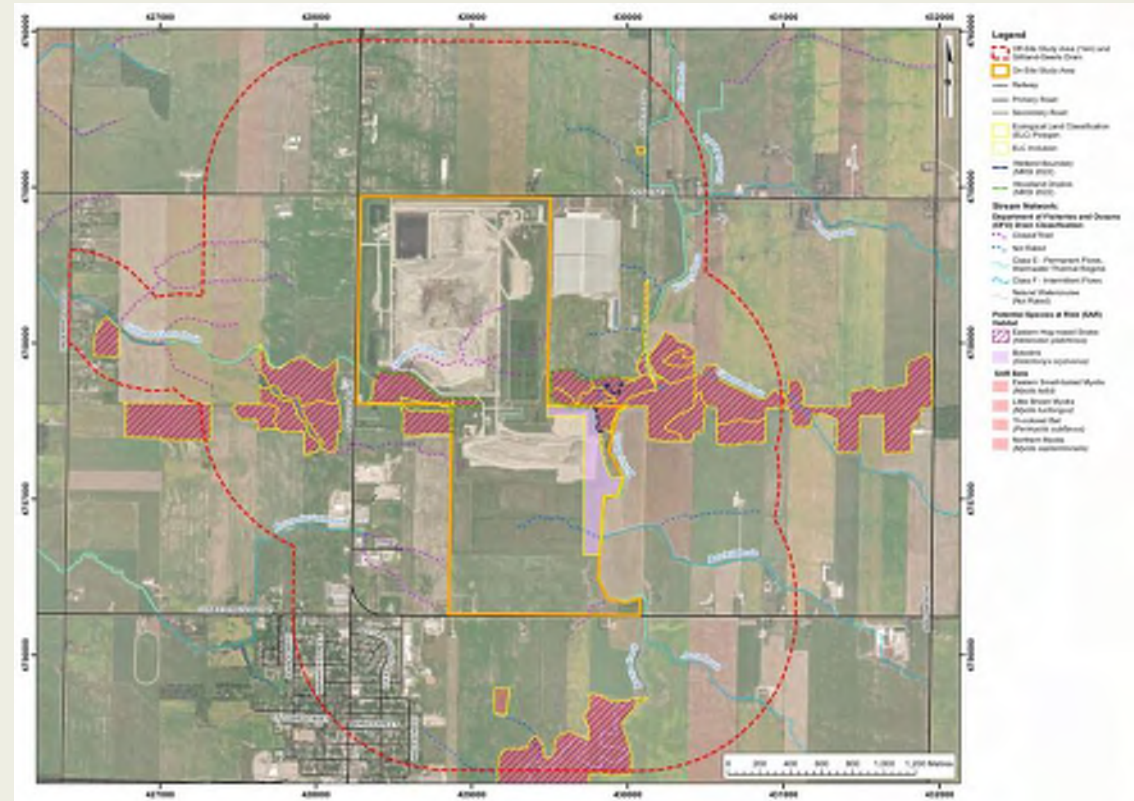
- Seventeen catchment areas were identified and evaluated for surface water quantity.
- Drainage patterns within the site and off-site, and peak flows at each outlet location, are expected to remain unchanged for the landfill optimization.
- On-site surface water quantity focuses on the on-site ditches and the four stormwater ponds.
- Off-site surface water quantity focuses on the area within 1 km of the TCEC site, along with the Kersey Drain to the east, Van Kessel Drain to the west, and municipal drainage tile at catch basin SS1. The municipal drainage tile ultimately flows to the Gilliland-Geerts Drain, beneath Nauvoo Road (County Road 79).
- The 4 stormwater management ponds and 10 outlet locations are functioning well under existing conditions.



On-site Surface Water Management and Catchment Areas

Ecological Environment Existing Conditions

- Ecosystems on-site and off-site support important ecological functions providing habitat for diverse plant, fish, and wildlife species.
- On-site features include active landfill areas, sedimentation ponds, poplar plantation systems and limited natural vegetation.
- The Off-site Study Area is dominated by agricultural fields interspersed with residential and commercial properties, a cemetery, woodlots, and riparian areas.
- Confirmed Significant Wildlife Habitat (SWH) within study areas include the Amphibian Breeding Habitat (Woodland), Terrestrial Crayfish Habitat, and Breeding Habitat for the Species of Conservation Concern (SCC) for Western Chorus Frog.
- Natural features have the potential to support Species at Risk (Threatened or Endangered) including Eastern Hog-nosed Snake, Little Brown Myotis, Northern Myotis, Eastern Small-footed Myotis, Tri-coloured Bat, and Bobolink.
- Aquatic ecosystems within the Off-site Study Area provide habitat for fish species, but no Species at Risk or SCC were documented in 2022.



Species at Risk Potential Habitats

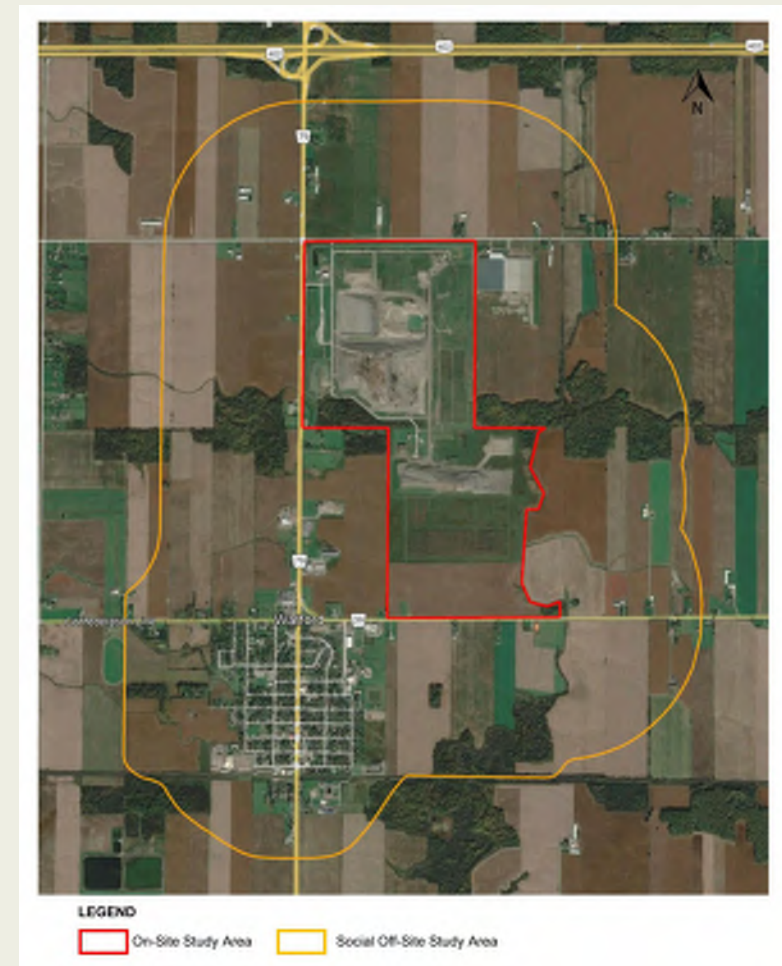
Approved Evaluation Criteria

Evaluation Criteria	Rationale	Indicators
Socio-Economic Environment		
Social Environment		
Effects on Local Community	Waste disposal facilities can potentially affect local residents and businesses in the vicinity of the site.	• Number of residents and residences (e.g., receptors). • Number and type of local businesses. • Nuisance effects (litter, dust, noise, odour, traffic). • Predicted changes to use and enjoyment of property. • Level of satisfaction with living/working in the community. • Confidence in TCEC operations.
Visual Impact of Facility	The contours of the waste disposal facility may affect the visual appeal of a landscape.	• Predicted changes in perceptions of landscapes and views.
Economic Environment		
Economic effects on local community	The continued operation of the landfill could have economic effects on and/or provide economic benefits to the local community.	• Employment at site (number, type, and duration). • Contributions to the host community. • Opportunities for the provision and procurement of products and/or services.
Human Health		
Human Health	Construction and operation activities at a waste disposal site can lead to increase to increased levels of particulates (dust) and related metals in the air.	• Predicted acute and chronic health-based concentration ratios arising from air concentrations of particulate matter (dust) and related metals at identified sensitive receptor locations within the Study Area. • Frequency of any exceedance of applicable standards, limits, or guidelines at identified receptors.
	Waste disposal site and associated operations can emit gaseous contaminants that can degrade air quality.	• Predicted acute and chronic health-based concentration ratios arising from air concentrations of gaseous contaminants at identified sensitive receptor locations within the Study Area. • Frequency of any exceedance of applicable standards, limits, or guidelines at identified receptors.

Socio-Economic Existing Conditions

Social Environment

- Watford has a population of approximately 1,563 (2021). Growth over the past 5 years has been minimal (1.8%).
- 648 residences are located within Watford and ~36 residences are located outside of Watford within the Social Off-site Study Area.
- Future residential lands identified to the west and southeast of Watford.
- Recreational resources: parks; walking paths/trails; and East Lambton Community Complex. Based on recent survey responses, the most used facilities are the East Lambton Community Complex, and the baseball diamonds and running track at Centennial Park.
- WM monitors air quality and noise. Of the 195 complaints received from 2019-2023, 92% were related to odour and 7% were related to litter. There was one dust complaint and no noise complaints.
- Responses to the recent Community Survey indicated that 84% of residents are satisfied or somewhat satisfied with the Township of Warwick as a place to live, citing the people, services, and excellent neighbours.
- Regarding their level of confidence in the current landfill operations at the TCEC, 30% of residents responded that they are confident or somewhat confident in current landfill operations and 37% are somewhat unconfident or unconfident.



Study Areas for the Social Environment

Socio-Economic Existing Conditions

Economic Environment

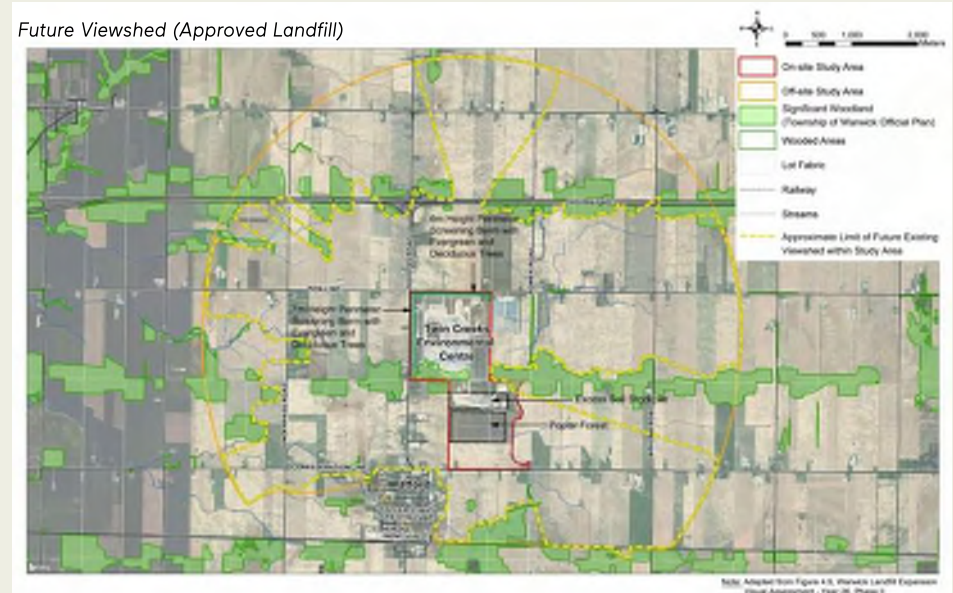
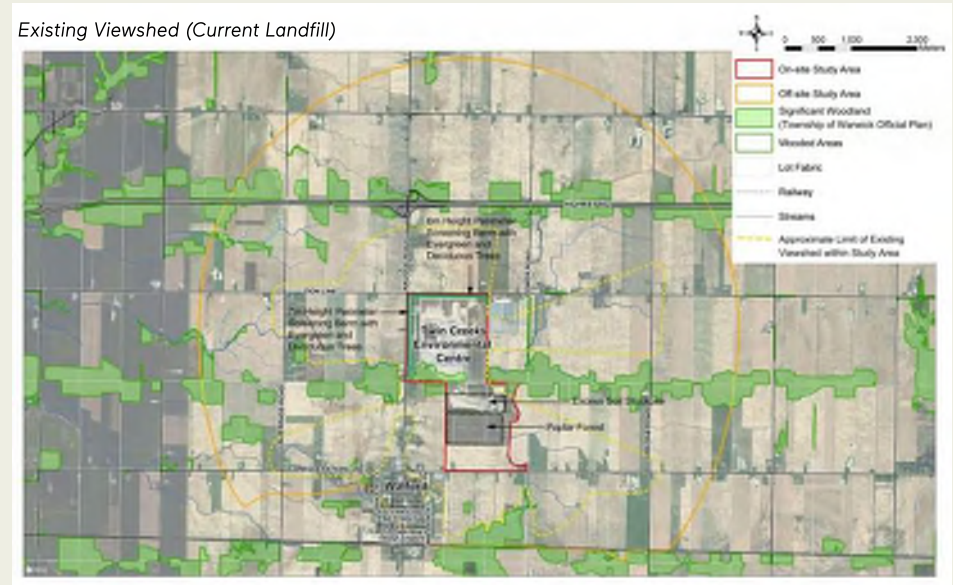
- 36% of the labour force in the Township of Warwick resides in Watford (2021).
- Top five employment sectors in the Township are: agriculture, forestry, fishing and hunting; construction; manufacturing; health care and social assistance; and retail trade.
- There are approximately 130 businesses in the Township of Warwick.
- Unemployment rate is high at 9.2% (2021).
- 67% of employed Township residents commute outside of the Township for work.
- A large industrial park is planned to the west of the TCEC site.
- The TCEC is not a significant employer in the Township due to the scale of its operations and its proximity to major urban centres. The TCEC provides stable employment for 25 staff.
- In 2018 through 2022, WM procured ~\$18.5M in goods and services from businesses in Watford. WM also procures goods and services from other businesses within the County of Lambton, Ontario, and other locations.
- WM provides landfill gas to the neighbouring Twin Creeks Greenhouse for heating purposes.
- Since 2009, WM has contributed over \$33M in host community fees to the Township in addition to municipal taxes. Host community contributions are a key component of the Township's annual municipal budget and are placed into general funds to keep taxes low and provide for community projects.



Warwick Industrial Park, Sarnia-Lambton Economic Partnership

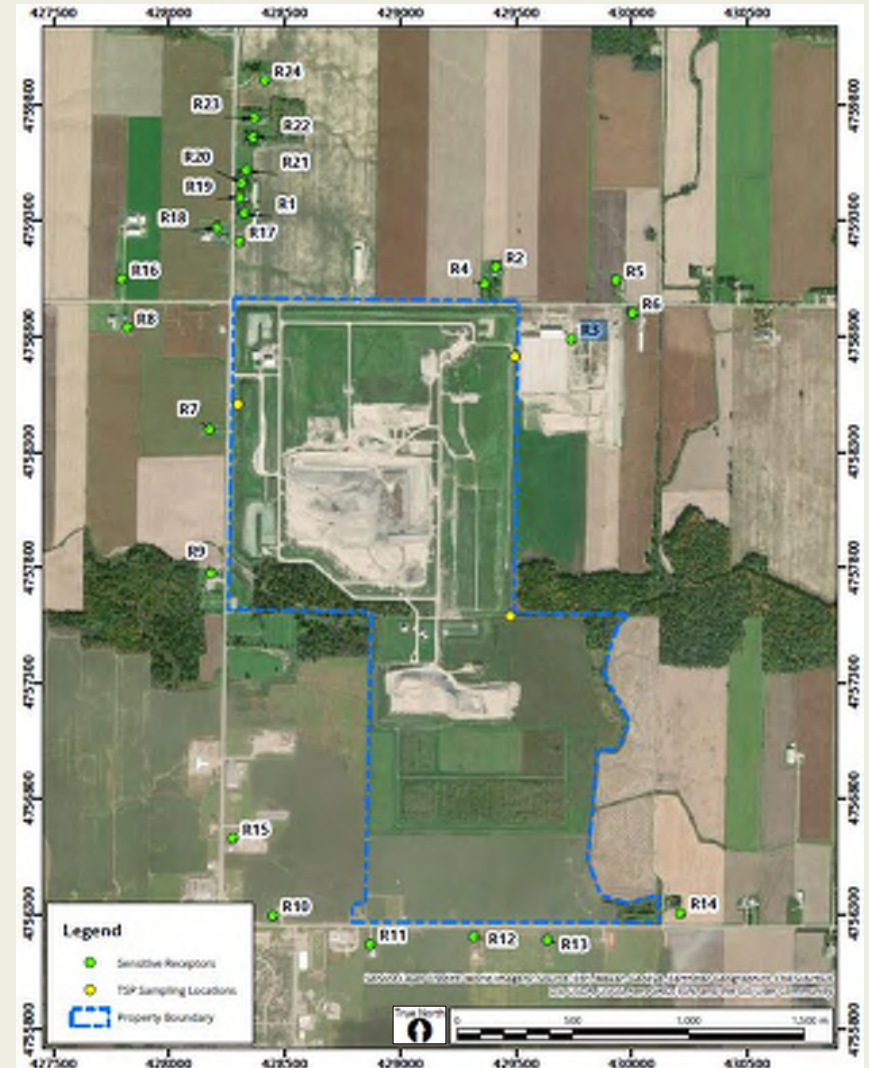
Visual Existing Conditions

- Visual landscape surrounding the TCEC is rural in character with minimal topographic relief.
- The Village of Watford is located to the south and southwest of the facility including residential, commercial, and institutional land uses
- Given the density and height of the buildings within the village, the TCEC is generally only visible from the north area of the Village of Watford, around Confederation Line.
- The Significant Woodlands limit view of the facility from Arkona Road and east of the TCEC, as well as from Underpass Road.
- The TCEC is visible from community amenities including the East Lambton Community Complex, YMCA, and parks south of the TCEC.
- The berms and plantings that were implemented as a component of the construction of the TCEC provide effective visual mitigation under the existing conditions.



Human Health Existing Conditions

- The 2005 Human Health Risk Assessment (HHRA) was reviewed and confirmed to still be valid.
- No measurable long-term adverse health impacts were predicted to result from landfill combustion gas emissions.
- No short-term adverse health effects were predicted to occur as a result of exposure to combustion gases, with the exception of the 24-hour hydrogen sulphide; however, this was based on a 21x change in the toxicological benchmark and the conservative modelling used in the 2005 HHRA.
- The likelihood of adverse health effects resulting from exposure to PM_{10} and $PM_{2.5}$ is predicted to be extremely low.
- Based on the review of results from the recent annual monitoring programs, the review of existing conditions for air quality, groundwater quality, and surface quality, and the review of assumptions and conclusions from the 2005 HHRA, no measurable long-term or short-term adverse health impacts were predicted to occur from exposure to landfill gas combustion emissions under existing conditions, with the exception of worst-case hydrogen sulphide as noted above.



Sensitive Receptors and TSP Sampling Locations

Approved Evaluation Criteria

Evaluation Criteria	Rationale	Indicators
Cultural Environment		
Cultural Heritage		
Cultural Heritage Resources	Activities related to construction and operation of the landfill may result in direct or indirect effects on identified built heritage resources and cultural heritage landscapes.	- Proximity of known or potential cultural heritage resources to the landfill (known/potential built heritage resources and cultural heritage landscapes will be assessed for potential direct or indirect effects). - Direct impacts may include: the destruction of any, or part of any, significant heritage attributes or features; and alteration that is not sympathetic, or is incompatible, with the historic fabric and appearance. - Indirect impacts may include: shadows created that alter the appearance of a heritage attribute or change the viability of a natural feature or plantings, such as a garden; and isolation of a heritage attribute from its surrounding environment, context or a significant relationship; direct or indirect obstruction of significant views or vistas within, from, or of built and natural features; a change in land use such as rezoning a battlefield from open space to residential use, allowing new development or site alteration to fill in the formerly open spaces; and land disturbances such as a change in grade that alters soils, and drainage patterns that adversely affect an archaeological resource.
Archaeology		
Archaeological Resources	Archaeological resources are non-renewable cultural resources that can be destroyed by the construction and operation of a waste disposal facility. Activities related to construction and operation of the landfill may cause negative effects on archaeological sites or areas with archaeological potential.	- Archaeological resources on-site and predicted impacts on them. - Cemetery properties within approximately 10 metres of the proposed impacts.

Cultural Heritage Resources Existing Conditions

- The area is traditional territory of Walpole Island First Nation, Chippewas of the Thames First Nation, Aamjiwnaang First Nation, Chippewas of Kettle and Stony Point First Nation, Caldwell First Nation, the Oneida Nation of the Thames.
- Cultural Heritage Resources Assessment completed to identify known and potential built heritage resources (BHR) and cultural heritage landscapes (CHL) that may be affected by the undertaking and/or in the Study Area.
- Study Area has a rural history dating back to the early-nineteenth century.
- 3 potential BHRs and 16 potential CHLs identified within the overall Project Study Area:
 - On-Site Study Area: 1 CHL (farmscape)
 - Off-Site Study Area: 18 BHRs and CHLs identified including
 - 9 farmscapes
 - 3 cemeteries
 - 2 farmhouses
 - 1 church
 - 1 historical settlement centre
 - 1 roadscape
 - 1 race track



BHR 1 – Farmhouse at 5876 Nauvoo Road



BHR 3 – Church at 5378 Nauvoo Road



CHL 18 – Watford Pioneer Cemetery Cairn



CHL 19 – Watford Historical Commercial Centre

Archaeological Resources Existing Conditions

- A Stage 1 Archaeological Assessment was completed to identify existing archaeological resources that may be affected by the undertaking and / or in the Study Area.
- 37 previously registered archaeological sites are located within 1 km of the Study Area.
- Site AfHI-14 in the southeast corner of the Study Area is the only site relevant to the Project. Pre-contact Indigenous artifacts were recovered from this site and is protected by a minimum 10 m buffer and surrounding conservation area.
- The northern portion of Watford Cemetery is immediately adjacent to the study area and has low potential for unmarked burials outside its boundary.
- The remainder of the Study Area, beyond the protected area of Site AfHI-14, does not retain archaeological potential and does not require further archaeological assessment.
- The entirety of the Study Area was previously assessed as part of past landfill expansion projects. Four studies have largely addressed all impacts to archaeological resources in the Study Area.
- Between 1999 and 2008, 11 archaeological sites were identified within the Study Area, including AfHI-14, which was protected within a tree plantation following Stage 3 archaeological assessment in conjunction with Walpole Island First Nation. The remaining 10 sites in the north half of the On-Site Study Area are cleared of archaeological concern.



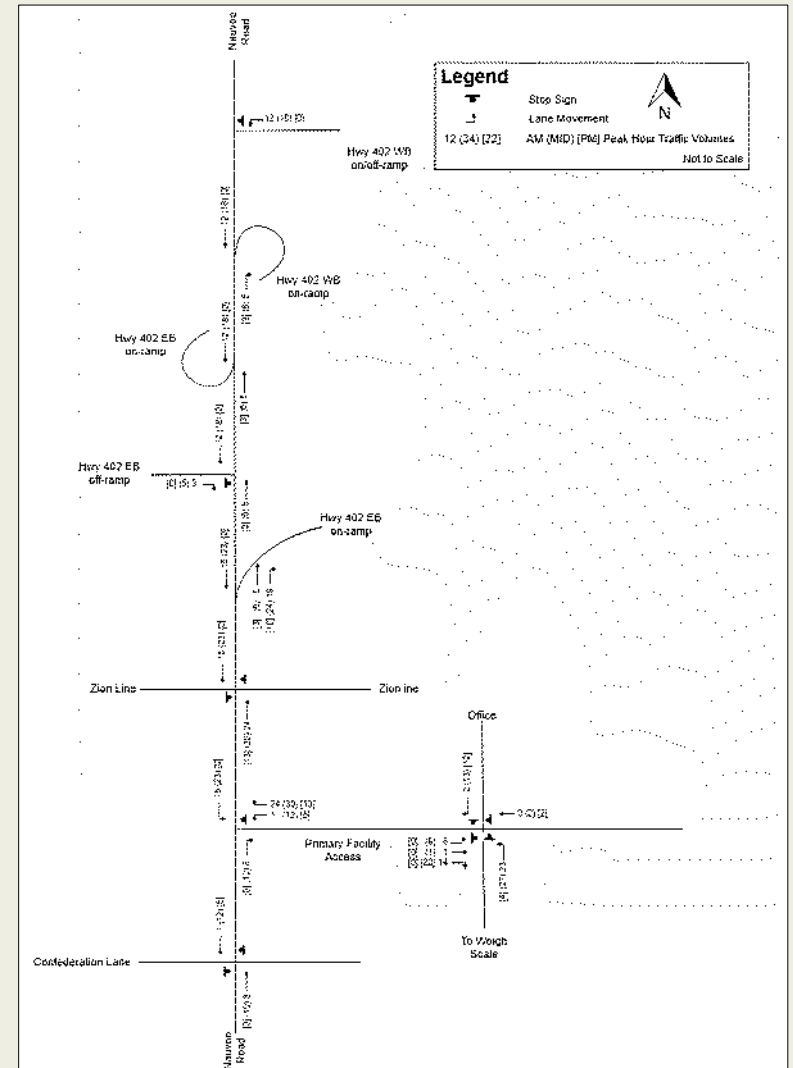
Watford Cemetery

Approved Evaluation Criteria

Evaluation Criteria		Rationale	Indicators
Built Environment			
Transportation			
Traffic Operations	Truck traffic associated with continued operations of the landfill may adversely affect residents, businesses, institutions and movement of farm vehicles in the site vicinity.	• Change in peak hour and daily truck traffic volume and Average Annual Daily Traffic (AADT) along the study area road segments. • Intersection performance – capacity, delay, queues (based on HCM 2000 and generated by Synchro Traffic Signal Coordination Software Version 11 9) – for the study area intersections. • Road safety. • Collisions per million vehicles at all study area intersections (severity, involving pedestrians, cyclists, autos, trucks, school buses, and agricultural vehicles). • Collisions per million vehicle-km along all study area road segments (severity, involving pedestrians, cyclists, autos, trucks, school buses, and agricultural vehicles). • Collisions by environmental conditions for segments and intersections. • Sight distance at the primary site entrance.	
Land Use			
Current and Future Land Uses	The continued operation of the landfill may not be fully compatible with certain current and/or planned future land uses in the Off-Site Study Area. Waste disposal facilities can potentially have a negative impact on sensitive land uses in the vicinity of the site.	• Current land use. • Planned land use. • Type(s) and proximity of offsite recreational resources within 1 km of a landfill footprint potentially affected. • Type(s) and proximity of offsite sensitive land uses as defined by the Provincial Policy Statement and the MECP D-1 Guidelines (e.g., dwellings, churches, parks) within 1 km of a landfill footprint potentially affected. • Type(s) and proximity of agricultural land use/operations (e.g., organic, cash crop, livestock).	

Transportation Existing Conditions

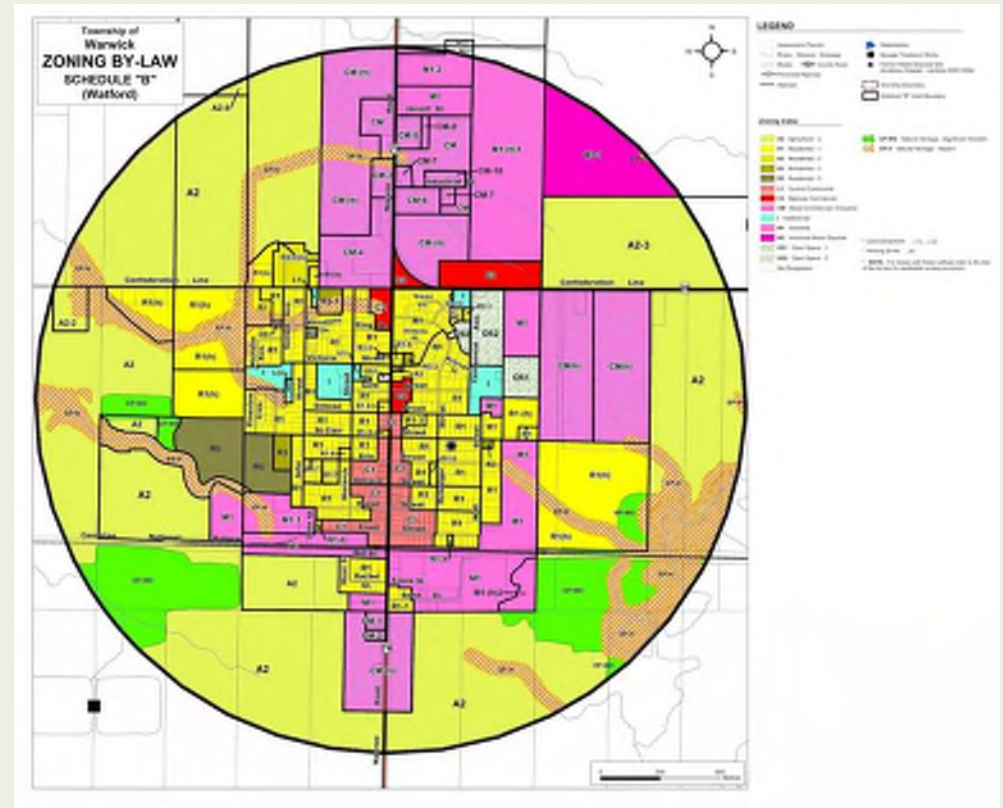
- Site traffic is primarily to/from the north to Highway 402.
 - Weekday (AM peak hour): 47 inbound and 77 outbound trips
 - Weekday (midday peak hour): 44 inbound and 52 outbound trips
 - Weekday (PM peak hour): 26 inbound trips and 30 outbound trips
- Intersections in the study area are operating well.
- In terms of driveway safety, the TCEC site entrance on Nauvoo Road has sufficient sightlines, storage, and taper (designed and operating well).
- No safety signals were identified as part of collision history analysis and historical collision rates for the Study Area.
- Future conditions will include general background traffic growth as well as traffic associated with future developments.



Existing Site Traffic Volumes (November 2022)

Land Use Existing Conditions

- The existing landfill is the predominant land use within the TCEC site, comprising 101.8 ha in the northern portion of the site.
- WM manages on-site private recreational features including the Watford Dog Park, Nauvoo Park, and the Twin Creeks Nature Trail.
- Most lands within the Off-site Study Area are designated, zoned, and utilized for agricultural operations, with scattered residential dwellings associated with farming operations.
- There are no aggregate resources located within the study areas.
- 2 cemeteries located directly west of the TCEC site.
- Potentially sensitive off-site land uses are primarily concentrated southwest of the TCEC in the Watford Settlement Area including residences, 4 public parks, 1 community centre, 2 elementary schools, 2 daycares, 4 places of worship, 2 healthcare facilities, and 1 long-term care facility.
- The Provincial, County, and local planning framework directs future development within the Watford Settlement Area. Industrial and Mixed Commercial/Industrial uses are separated from the more sensitive land use designations.
- Amendments to the County of Lambton Official Plan and Township of Warwick Official Plan will be required for the expansion of the TCEC landfill.



Excerpt from the Township of Warwick Zoning By-law Schedule 'B'

Consultation and Engagement Opportunities

Public consultation and engagement to be conducted throughout the EA process will involve the local community, applicable agencies, Indigenous communities, and other interested and/or affected stakeholders.

Consultation and engagement will include:

- Notifications by direct mail, mail drop, email, newspapers (digital and/or print), and via the project website at key milestones during the EA process
- Public Information Sessions
 1. Project introduction, EA process overview, project milestones, consultation and engagement opportunities (held on April 19, 2023)
 2. Description of existing conditions, Alternative Methods, Evaluation Criteria (this session)
 3. Results of effects assessment and comparative evaluation, identification of Preferred Alternative
 4. Draft EA Study Report
- Project website
<https://www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project>
- Meetings/Tours
- Draft EA Study Report review
- Final EA Study Report

Upcoming Key Milestones

Effects Assessment and Identification of the Preferred Alternative

Draft EA Study Report review

Submission of the Final EA Study Report to the MECP



How Can You Participate?



Join our project
mailing list



Attend Public Information
Sessions



Provide comments during
or following events



Review documents and
submit comments



Ask questions and become
informed



Email questions to WM and
receive a response within
48 hours



Visit the project website for updates

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



Next Steps

- Information received through this Public Information Session and other comments received will be considered in the EA.
- Notification will be provided for Public Information Session 3 by direct mail, mail drop, email, newspapers (digital and/or print), and via the project website.
- Public Information Session 3 will focus on the effects assessment and comparative evaluation of Alternative Methods, and the identification of the Preferred Alternative.

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

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

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100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
Phone: 289.695.4696
Email: larry.fedec@hdrinc.com

Thank you for your attendance and comments on the Project



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Public Comment Form



Public Information Session 2
November 29th and December 5th, 2023, 4-8 PM

Comment Form

Name: _____

Address: _____

Phone #: _____

Email: _____

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

- | | |
|---|---|
| ☐ residential property | ☐ air quality (dust, noise, odour) |
| ☐ business | ☐ ecology (plants, wildlife) |
| ☐ member of interest group | ☐ groundwater / surface water |
| ☐ agency representation | ☐ land use / visual |
| ☐ other: | ☐ 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 **current operations at the Twin Creeks Environmental Centre or the Project?**

☐ Yes ☐ No



4. Do you have any specific comments or questions regarding **the screening of Alternative Methods for the Project** and the **preference for Vertical Alternative Methods** to be further assessed in the **Environmental Assessment**?

☐ Yes ☐ No

5. Do you have any specific comments, questions, or recommendations regarding the **Summary of Existing Conditions** as presented?

☐ Yes ☐ No

6. Do you have any specific comments or questions about **Consultation and Engagement Opportunities** or **Next Steps**?

☐ 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 22, 2023** to:

Wayne Jenken
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5768 Nauvoo Road
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Public Information Session 3

Summary Report



Twin Creeks Environmental Centre Landfill
Optimization Project Environmental Assessment

WM Canada

Watford, Ontario

January 7, 2025

Prepared by:

HDR Corporation
100 York Blvd., Suite 300
Richmond Hill, ON K4B 1J8



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6	Summary of Comments/Issues.....	4

Appendices

Appendix A	Notice of Public Information Session 3
Appendix B	Public and Agency Mailing List
Appendix C	Newspaper Advertisements
Appendix D	Indigenous Community Mailing List
Appendix E	Completed Sign-In Sheet
Appendix F	Public Information Session Content
Appendix G	Public Comment Form
Appendix H	Completed Public Comment Forms

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 8 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 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 8 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 3 for the EA, which was held on November 27, 2024.

2 Overview of Public Information Session 3

Public Information Session 3 was held to provide an update on the EA, present the three Alternative Methods, present the preliminary results of the effects assessment for the Alternative Methods, present the preliminary results of the comparative evaluation that was conducted to select the Preferred Alternative, and provide an overview of the next steps in the EA process and upcoming Consultation and Engagement opportunities.

The Public Information Session was held at the East Lambton Community Complex. 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 3 via the Notice of Public Information Session 3 (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 1,950 recipients on November 13 and 14, 2024. The Notice was sent via email to agencies, municipalities, organizations, and members of the public on the mailing list on November 13, 2024. 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 14 and November 21, 2024: 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 15, 2024.

3.2 Indigenous Community Notification

The following Indigenous communities and groups were notified of Public Information Session 3 via the Notice sent by Canada Post Xpresspost and email on November 13 and 14, 2024, respectively:

- 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.

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

4 Venue and Attendance

Public Information Session 3 took place on Wednesday, November 27, 2024, 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 35 people in addition to WM and consulting staff.

WM staff included:

- Wayne Jenken, Landfill Engineering Manager;
- John McDonald, Senior District Manager;
- Luiza Adsett, Senior Area Manager, Public Affairs;
- Jessica Kropf, Senior Communications Manager;
- Angela McLachlan, Environmental Compliance Manager;
- Kael Hunt, Operations Manager, Trainee;
- Greg Milner, Gas Operations Manager; and
- Jason Turnbull, Landfill Operations Manager.

Consulting staff included:

- Larry Fedec, HDR (Project Manager);
- Emma Wensley, HDR (Environmental Assessment, Consultation and Engagement);
- Brad Bergeron, RWDI (Air Quality and Odour);

- Sarah Pellatt, RWDI (Air Quality and Odour);
- Brent Langille, RWDI (Geology/Hydrogeology and Surface Water Quality);
- Jeff Cleland, RWDI (Geology/Hydrogeology and Surface Water Quality);
- Daniel Kremer, RWDI (Noise)
- Cristina Olarte, WSP (Alternative Methods);
- Eeshan Kumar, WSP (Surface Water Quantity);
- Katharina Richter, NRSI (Ecological Environment);
- Mark Schollen, Schollen & Company Inc. (Visual);
- Glenn Ferguson, Intrinsik (Human Health); and
- Adam Beausoleil, HDR (Transportation).

5 Information Presented

Information was presented on 26 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 three representative Alternative Methods that were developed;
- a summary of preliminary results of the effects assessment for each of the Environmental Components and Evaluation Criteria;
- a summary of preliminary results of the comparative evaluation of the Alternative Methods to identify a Preferred Alternative;
- consultation and engagement opportunities;
- ways that people can participate in the EA;
- next steps for the EA and project staff contact information.

A copy of the display panels for Public Information Session 3 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 13, 2024. A copy of the comment form was also made available on the project website.

There were three (3) completed comment forms received during the Public Information Session, and one (1) comment form received after the event. The comments received are summarized in **Table 1**. Comments will be considered in the development of the EA and written responses will be included in the Record of Consultation and Engagement for the EA as appropriate. Copies of the completed forms are included in **Appendix H**.

Table 1. Summary of Comments Received from Public Comment Forms

1. My interest in the project is: (please check all that apply)			
0	residential property	0	air quality (dust, noise, odour)
0	business	0	ecology (plants, wildlife)
0	member of interest group	1	groundwater / surface water
0	agency representation	1	land use / visual
2	other:	0	transportation
2. Please provide any general comments about the information presented at this Public Information Session.			
One (1) response was received for this. One participant was concerned about the increased surface water due to the new road and ditch construction. They inquired about the inclusion of a berm along Confederation and the potential impact to property value.			
3. After reviewing the information presented, do you have any comments or questions regarding the conceptual design of the Alternative Methods for the project? (Yes/No)			
No responses (0) were received for this question.			
4. Do you have any specific comments or questions about the assessment of Alternative Methods? (Yes/No)			
Two (2) responses were received to this question (yes). One participant questioned if the new landfill height would create a shadow that could reduce the heat units west of site. The other participant was concerned about litter/odour.			
5. Do you have any specific comments, questions, or recommendations about the results of the comparative evaluation of Alternative Methods? (Yes/No)			
No responses (0) were received for this question.			

6. Do you have any specific comments or questions about the **Preferred Alternative** identified? (Yes/No)

No responses (0) were received for this question.

Verbal comments, key issues and discussions at the event included:

- Suggestions for berms and planting to reduce visual impacts.
- Will shadows impact surrounding crops and greenhouse?
- Issues with trucks cutting off vehicles.
- Suggestions for traffic signals or interchange improvements.
- Will odours worsen and impact property sales?
- How will litter be controlled with increased landfill height?
- Will higher elevations dilute air emissions?
- How is leachate and groundwater contamination going to be managed?
- How is runoff during heavy rain and potential erosion going to be managed?
- Can more trees be planted?
- How are aquatic habitats monitored?

Verbal comments received during the Public Information Session were addressed by staff as they were received.

A

Notice of Public Information Session 3



Notice of Public Information Session 3

Twin Creeks Environmental Centre Landfill Optimization Project Environmental Assessment

November 27, 2024 | 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 3** 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 8 years of approved landfill airspace capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project will provide additional airspace of approximately 14 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 area, approved service area, or annual fill rate.

Three (3) Alternative Methods for the vertical landfill expansion have been assessed and a Preferred Alternative has been identified.

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 3 is being held to:

- Provide an update on the EA
- Present the Alternative Methods
- Present the preliminary results of the effects assessment for the Alternative Methods
- Present the preliminary results of the comparative evaluation that was conducted to select a Preferred Alternative
- 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 27.

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.
Solid Waste Program Lead,
Canada
HDR Corporation
100 York Blvd., Suite 300,
Richmond Hill, ON L4B 1J8
289.695.4696
larry.fedec@hdrinc.com

Draft Effects Assessment Reports have been prepared for each environmental discipline. These reports will be available on the project website for review during the following period:

December 6, 2024 to January 31, 2025

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

A large, bold, black letter 'B' is positioned on the right side of the page, partially overlapping a dark green rectangular background element.

Public and Agency
Mailing List

Public

First Name	Last Name	Company	Address 1	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			
Alex	Ciccone	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			
Greg	Rankin				Watford	ON			

Marion & Brian	Rankin		Watford	ON
Steven	Roe		Watford	ON
Betsy	Rombouts		Watford	ON
Jacky	Saul		Watford	ON
Shawn	Scott			
Christine	Shea		Watford	ON
Mike	Snow		Watford	ON
Kathy	Soetemans		Warwick Township	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		Warwick	ON
Jeremy	Van Haaren	All Season Excavating	Watford	ON
Mike	Van Kessel		Warwick Twp.	ON
Larry	Van Lieshout		Watford	ON
Chris	Van Loon		Watford	ON
Dave	Vanos		Warwick Township	ON
John	Veeke		Arkona	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		
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

 = removed from list

C

Newspaper Advertisements

Obituaries

To place an Obituary or an In Memoriam: Email announcements@postmedia.com | Phone 1-877-759-5054

Obituaries

**BOYD, Clayton Albert**

1938 - 2024
At Bluewater Health in Samia, Clayton passed away on Saturday November 9, 2024, surrounded by his beloved family. He was 86 years old at the time of his passing and resided in Point Edward his whole life. Beloved wife of Marlene Boyd (Rand) of 60 years. Survived by daughters Christine Mastrolanni (Marcello), Heather Rivalt, and Jennifer Dietz (Todd), and his grandchildren, Kristal and Tyler. Clayton and Nathan, and Kennedy and Carson. Brother of Robert Boyd of Avinston. Brother-in-law to Carol Boyd and Hank Vanderzant. Predeceased by his parents Bill and Evla Boyd, siblings, brother William (Grace), George (Annie), Beverly, Grant and sisters Geraldine (Tom) Haggerty, Joyce Vanderzant, and Peggy. Sister-in-law Joyce Boyd, son-in-law of James and Jean Rand, and brother-in-law Donald Rand. Clayton was a member of Local 787 Refrigeration and Air Conditioning, Victoria Masonic Lodge, Point Edward Ex-Servicemen Club, and Royal Canadian Legion of Samia. He was a proud member of the Royal Canadian Army Service Corps. Clayton spent many years as a member at Bridgeview Marina and Samia Yacht Club, sailing on his boat the Straker. Thank you to the paramedics, ICU, and palliative teams at Bluewater Health. Remembrances and condolences may be expressed to the family online in "Claytons Guestbook" at mccormackfuneralhomesamia.com. Arrangements entrusted to McCormack Funeral Home in Samia.

CONNOP, Barbara Ann

It is with both sadness and thankfulness that we acknowledge the passing of Barbara Ann Connop. She lived a very full life that benefited all of her family and those fortunate enough to be called her friends. Her identity was closely tied to her chosen profession of teaching and, as a result, generations of students, now adults, had a front row seat to her skills and commitment. She lived the last 11 years of her life without her husband and loving partner of 58 years, Joseph Patrick Connop but she forged on with the help of her two sons, Scott and Michael Bradley (Brad) Connop. Holly Connop was the granddaughter of her dreams, and Adam and David Comeau were the grandsons she always wanted and she is kindly remembered by her daughter-in-law Deborah Comeau. She was predeceased by her parents Harold Biddlecomb (nee Carson, 1977). Anyone wishing to remember Barbara through a donation could do so by sending it to the Samia Humane Society (cheques only at the funeral home please). Arrangements entrusted to Smith Funeral Home, 1576 London Line, Samia. Memories and condolences may be sent online at www.smithfuneralhome.ca

**HARWOOD, Nicola (Nic)**

Jun 15, 1968 - Nov 4, 2024
We are shocked and heartbroken to announce the sudden passing of Nicola on November 4th, 2024. Beloved partner of Debbie, dearly loved daughter of Ann and the late Bob Harwood, loving sister to Andy (Sue) and nieces Jessie and Haley. She will be lovingly remembered by family and friends in Canada and the UK. Nicola has left such a big hole in our hearts and we will miss her love, kindness, humour and hugs forever. Rest in peace Nic. Cremation has taken place.



Hold tight to memories for comfort, lean on your friends for strength, and always remember how much you are cared about.

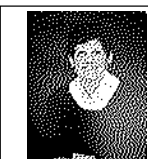
Obituaries

**GRIFT, Stientje "Tillie"**

Peacefully, surrounded by loving family, on November 12, 2024, at Bluewater Health - CEE, Stientje "Tillie" Grift, went to be with her Lord and Saviour at the age of 91. Beloved wife of Aart Grift for 46 wonderful years. Loving mother of the late Bill (Bernadette) Grift, Al (Bonnie) Grift, Art (Kerstal) Grift, Joanne (Larry) Rivalt, Grace Annett (Jim Greenaway), Cherished grandmother of Sarah Grift (Sarah has her faithful companions, doggy Minnie and cats Max and Avie), Catherine (Mike) Galloway, the late James Grift, Jeremy Grift, Jason Grift, Justin (Ashleigh) Grift, Chris (Alicia) Blackman, Christine (Diane) Poland, Darrin (Karen) Johnson, Lonnie (Janice) Bourne, Lori (Curtis) McCormick, Bill (Erica) Annett, Meghan Annett, late Beckie Annett, and Mandi Annett (Devon McLean). Treasured great-grandmother of 14 beautiful great-grandchildren and two beautiful great-great-grandchildren. Dear sister of Margaret Weeke and Joanne (Dick) Grift. Predeceased by her parents, her brothers Jack and Al Smit, her sister Alice King, her grandchildren James Grift and Beckie Annett. She will be missed by many nieces and nephews. Mom had an abiding faith in her Lord and Saviour, Jesus Christ, whom she came to know on February 16, 1963. Her most sincere prayer and desire is that all her family and friends come to know Him too. Tillie immigrated from the Netherlands to Canada in 1952. After she arrived, she met and married the love of her life Aart in 1953, three months after they met, embarking on a beautiful journey together. They had a blessed marriage of 46 years filled with love and shared memories.

A funeral service will be held at Smith Funeral Home, 1576 London Line, Samia, on Friday, November 15, 2024, at 12:00 a.m. with family and friends being received one hour prior from 11:00 a.m. - 12:00 p.m.

Sympathy may be expressed through donations to Gospel Trust Fund or Diabetes Canada (cheques only at the funeral home please). Memories and condolences may be sent online at www.smithfuneralhome.ca

**HEINZL, Judith Ann**

May 27, 1940 - Nov 11, 2024
Judith ("Judy") Ann Heinzl (McGrandles), a wife, mother, grandmother, great-grandmother, sister, and aunt peacefully passed on November 11, 2024, at the age of 84. She was born on May 27th, 1940, in Brantford, Ontario. Judy is predeceased by her parents James and Mary McGrandles. Judy is survived by her devoted husband, Otto Heinzl, with whom she shared 65 years of marriage. Judy was the mother of Todd Heinzl (Lidia Zanon) and Carrie Heinzl.

Judy was the grandmother to four beautiful granddaughters: Taylor Anne McKay (Nigel McKay), Cailey Joann Meade-Heinzl, Jordan Paige Neely, and Kaya McKenzie Heinzl. Judy was further blessed to be a great-grandmother to Liam Christopher McKay and Avarie Anne McKay.

Judy was sister and survived by her brother James McGrandles (Carol McGrandles), her niece Lori Beth McGrandles (Ray), and her grand-nephew Leo McGrandles.

Although Judy was born in Brantford, Ontario, she moved to Samia, Ontario not once but twice after a short time spent in Markham. Ontario ultimately settling in Paris, Ontario. She often remarked how she enjoyed Samia, chips under the bridge, and walks in Canatara Park.

Some of her favourite life moments were cottaging near Lions Head in the Bruce Peninsula, Bridge even though Otto was a better card player, reading trashy Daniel Steele novels, and her love for coffee - good or bad.

Cremation has taken place, and a private service will be held at a later date.

We've shared our lives these many years. You've held my hand, you've held my heart. So many blessings, so few tears - yet for a moment, we must part.

- Unknown

Obituaries

**MACKENZIE, Dennis Ross**

Born December 8, 1943 - November 10, 2024

We are sad to announce the passing of our Husband, Father, Brother, Uncle, Grandfather, Great-Grandfather. Missed by his wife of 61 years Anita (Brooks) Mackenzie. Remembered by daughter Denita (Clyde) Payne of Brantford, Son Todd (Susan) Mackenzie of Camlachie. Grandfather to Morgan Mackenzie (Pete Melis) and Great-Granddaughter Every Melis of Oil City. Grandfather of Corbin Mackenzie of Camlachie. Survived by sister Lynn St. Germain. Predeceased by Parents Ross and Alice Mackenzie, brother Don (Bernice) Mackenzie and brother-in-law and sister-in-law Clive, Marylu Brooks. Mom and Dad loved travelling with lifelong friends Bob and Margret Barnes. Dad was proud owner of Exactly-A-Supply and Bluewater Sports/Bluewater Sport Stitch. Dad loved following his kids and later grand kids in all their sports. Upon Dennis's wishes cremation has taken place and private service will be held at a later date. Sympathy may be expressed through donations to a charity of your choice (cheques only at the funeral home please). Arrangements entrusted to Smith Funeral Home, 1576 London Line, Samia. Memories and condolences may be sent online at www.smithfuneralhome.ca

Classifieds

To place an ad: Email classifieds@postmedia.com | Phone 1-877-759-5054

Public Notices

Notice of Public Information Session 3
The Town of Windsor, in partnership with the Windsor-Detroit Regional Council, is holding a Public Information Session 3 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 8 years of approved landfill airspace capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project will provide additional airspace of approximately 14 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 area, approved service area, or annual fill rate.

Three (3) Alternative Methods for the vertical landfill expansion have been assessed and a Preferred Alternative has been identified.

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

Draft Effects Assessment Reports have been prepared for each environmental discipline. These reports will be available on the project website for review during the following period:

December 6, 2024 to January 31, 2025

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

WM Canada (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, will be hosting Public Information Session 3 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 8 years of approved landfill airspace capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project will provide additional airspace of approximately 14 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 area, approved service area, or annual fill rate.

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

Events

BEARING WITNESS with Samia's NICK DOCKTAR
Samia Library Theatre-Sat 16 Nov-6 PM
Nick shares his first-hand experience working as a nurse in Gaza. The short film, Failing Gaza will be screened. Light refreshments. Door prizes. "FREE EVENT"

steelericheline@gmail.com
samia-palestine.com

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Obituaries

**WHITING, Lorne Ross (Butch)**

"To be absent from the body is to be present with the Lord." Suddenly, on Sunday, November 10, 2024, Lorne Ross (Butch) Whiting was ushered into the presence of his Lord and Saviour. He was the loving husband and best friend of Linda (nee Bell) for 40 years, a wise teacher, adoring and loving father of Laurie (Darnell Wiens), Tim (Debbie), Faith (Steve Biggin-Pound), Sarah (Terry McKillan), and Nathan (Julia) and the cherished and doting grandpa of Sam, Janelle, Colin, Hannah, Elsie, Elijah, Ember, Orion, Dominic, Jakob, Hallie, and Paige.

Ross will be dearly missed by his siblings, Gord (Bernice) Whiting, Les (Karen) Whiting, Gloria (Jim) Matthews and Wilma (Wayne) Whiting, and brothers and sisters-in-law, AnnMarie (Donna) Belanger, Fern Whiting, Marilyn Whiting, Audrey Farr, Charlie Brimley, Larry (Barb) Clubb, Gail (Ed) Branson, Tom (Brenda) Clubb, and Wendy (Phil) Ross.

Predeceased by his first wife, Judy (nee Clubb), his parents, Howard and Blanche Whiting, his siblings, Carl Whiting, Ray Whiting, Shirley Zavitz, Marion McPhee, Frank Whiting, and Grace Whiting, his fathers and mothers-in-law, Peter and Elsie Clubb, and Albert and Isabelle Bell, and brother-in-law Pat Bell.

Ross retired as a Senior Fire Technician at Imperial Oil in 2008 after 38 years. He will be remembered for his quiet, gentle spirit, his deep abiding faith, the love he had for his family and his sense of humour and legendary stories.

Visitors will be received by the family on Friday from 2:00-4:00 and 6:00-8:00 p.m. from Needham-Jay Funeral Home, 4059 Petrolia Line, Petrolia. A funeral service will take place on Saturday, November 16, 2024, at 1:00 p.m. from Bethel Church Samia, 1565 London Line, Samia. Interment in Oil Springs Cemetery.

As an expression of sympathy, memorial donations may be made to Bethel Church Samia "We Care Benevolence Fund" (Cheques only at the funeral home please). Memories and condolences may be shared online at www.NeedhamJay.com



Classifieds

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Public Notices

Notice of Public Information Session 3
The Town of Windsor, in partnership with the Windsor-Detroit Regional Council, is holding a Public Information Session 3 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 8 years of approved landfill airspace capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project will provide additional airspace of approximately 14 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 area, approved service area, or annual fill rate.

Three (3) Alternative Methods for the vertical landfill expansion have been assessed and a Preferred Alternative has been identified.

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

Draft Effects Assessment Reports have been prepared for each environmental discipline. These reports will be available on the project website for review during the following period:

December 6, 2024 to January 31, 2025

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

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BEARING WITNESS with Samia's NICK DOCKTAR
Samia Library Theatre-Sat 16 Nov-6 PM
Nick shares his first-hand experience working as a nurse in Gaza. The short film, Failing Gaza will be screened. Light refreshments. Door prizes. "FREE EVENT"

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This Week

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This route is located on Oak and Sycamore. It has 75 flyers to be delivered once a week (Thurs). Profit every two weeks would be approx. \$25.84.
SF153
This route is located on Giffel, Lang, Linden Way, Lockhart and Lombardy 36 flyers to be delivered once a week (Thurs). Profit every two weeks would be approx. \$32.64.
SF5029
This route is located on Assiniboine, Wilmont and Montrose. It has 50 flyers to be delivered once a week (Thurs). Profit every two weeks would be approx. \$30.60.
SF263
This route is located on N Indian Rd. It has 57 flyers to be delivered every Thurs. Profit would be \$19.38.
SF424
This route is located on Beverley and Woodmont. It has 54 flyers to be delivered once a week Thurs. Profit every two weeks would be \$18.36.
SF462
This route is located on Athena, Denmark and Norway. It has 53 flyers to be delivered every Thurs. Profit every two weeks would be \$18.02.
SF1206-Townhouse route
This route is located on Coborne Rd (900) block. It has 50 flyers to be delivered once a week Thurs. Profit every two weeks would be approx. \$17.00.
Penny Churchill 519-344-3641, Ext. 5
pchurchill@postmedia.com

Carriers Wanted

Deliver every Thursday before 9pm
SF959 - Bridgen
This route is located on Boswell and Duncan. It has 30 flyers to be delivered once a week (Thurs). Your profit every two weeks would be approx. \$10.20.
Contact Penny Churchill
519-344-3641 Ext. 5
pchurchill@postmedia.com

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519-344-6124

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Public Notices

Notice of Public Information Session 3

WM Canada Environmental Centre
Lamton Community Complex, 233 Lochiel Street, Watford, ON N2M 2S0

November 21, 2024, 4:00 PM - 6:00 PM

WM Canada (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, will be hosting **Public Information Session 3** 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 8 years of approved landfill airspace capacity remaining at the TCEC (i.e., capacity will be reached in approximately 2031). The Project will provide additional airspace of approximately 14 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 area, approved service area, or annual fill rate.

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December 6, 2024 to January 31, 2025

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

Public Information Session 3 is being held to:

- Provide an update on the EA
- Present the Alternative Methods
- Present the preliminary results of the effects assessment for the Alternative Methods
- Present the preliminary results of the comparative evaluation that was conducted to select a Preferred Alternative
- 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 27.

If you have questions, please contact:

Wayne Jettan
Landfill Engineering
Manager, Canada Area
WM Canada
5758 Newson Road,
Watford, ON N2M 2S0
519.849.5810
wjettan@wm.com
Larry Fedec, P.Eng, M.B.A.
Solid Waste Program Lead, Canada
HCR Corporation
100 York Blvd., Suite 300,
Richmond Hill, ON L4B 1J8
288.685.4968
larry.fedec@hcrinc.com

Draft Effects Assessment Reports have been prepared for each environmental discipline. These reports will be available on the project website for review during the following period:

December 6, 2024 to January 31, 2025

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

Show Local Businesses Some Love!

Events

Meet and Greet Tanya Talaga

Tanya Talaga (Indigenous Author and Journalist)

Ms. Talaga is an award-winning author who has worked in journalism since she edited the University of Toronto Newspaper. She studied political science and history. In 1995 she was hired by the Toronto Star as an intern working up to the Queen's Park Bureau in 2009.

Ms. Talaga is an award-winning author writing Sarnia Lamton to promote her newest novel "The Knowing", a riveting novel that explores Canada's history of Residential Schools from an Indigenous lens beginning with her great-grandfather and the journey the family has endured because of Canada's biggest open secret.

Ms. Talaga will be hosted at the Sarnia - Lamton Native Friendship Centre (233 Lochiel Street) Monday, Dec. 2, 2024, where she will be discussing her novel at 1 pm.

Please join us in welcoming her to our community where a light lunch and refreshments will be provided.

Call: 519-344-6164 / lifelongcare@sinc.org

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Sarnia & Lambton County

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Carriers Wanted

SF8002 This route is located on Bessborough, Lansdowne, S. Laurier, Leckie, St. Laurent and Thompson. It has 133 flyers to be delivered once a week (Thurs). Profit every two weeks would be approx. \$43.18.

SF5009 This route is located on Wellington St. (Indian and East). It has 127 flyers to be delivered once a week (Thurs). Profit every two weeks would be approx. \$43.18.

SF153 This route is located on Giffel, Lang, Linden Way, Lockhart and Lombardy 96 flyers to be delivered once a week (Thurs). Profit every two weeks would be approx. \$32.64.

SF5029 This route is located on Asinibolne, Wilmont and Montrose. It has 90 flyers to deliver once a week (Thurs). Profit every two weeks would be \$30.60.

SF265 This route is located on N Indian Rd. It has 57 flyers to be delivered every Thurs. Profit would be \$19.38.

SF424 This route is located on Beverly and Windermere. It has 54 flyers to be delivered once a week Thurs. Profit every two weeks would be \$16.36.

SF452 This route is located on Athena, Denmark and Norway. It has 53 flyer to be delivered every Thurs. Profit every two weeks would be \$18.02.

Contact Penny Churchill
519-344-3641 Ext. 5
pchurchill@postmedia.com

Customer Service

Carriers Wanted

Deliver every Thursday before 9pm

Route SF915-Cambridge This route is located on Cardinal, Donaldson, Egremont, Franklin, Hummingbird, Lakeview, Mockingbird and Sandpiper. It has 57 flyers to be delivered once a week (Thurs). Profit every two weeks would be approx. \$19.38.

Route SF100-Bright's Grove This route is located on Avenue, Frances and Mary's Lane. It has 68 flyers to be delivered once a week (Thurs). Profit every two weeks would be approx. \$23.12.

Route SF209-Corunna This route is located at 200 St. Clair Blvd. It has 52 flyers to be delivered once a week (Thurs). Profit every two weeks would be approx. \$17.66.

Contact Penny Churchill
519-344-3641 Ext. 5
pchurchill@postmedia.com

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Public Notices

WM
Notice of Public Information Session 3
Twin Creeks Environmental Centre
Landfill Optimization Project Environmental Assessment
November 27, 2024 | 4-8 PM
East Lambton Community Complex | Lambton Mutual Gymnasium
61 Centennial Avenue, Watford, ON N0M 2S0

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

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- Present the preliminary results of the effects assessment for the Alternative Methods
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- 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 27.

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, PEng, M.B.A.
Solid Waste Program Lead, Canada
HDR Corporation
100 York Blvd., Suite 300,
Richmond Hill, ON L4B 1J8
289.695.4696
larry.fedec@hdrinc.com

Draft Effects Assessment Reports have been prepared for each environmental discipline. These reports will be available on the project website for review during the following period:

December 6, 2024 to January 31, 2025

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

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Events

Nativity Walk
Sarnia First CRC Nativity Walk
Dec 6th and 7th
Come join us for our annual Nativity Walk at Sarnia First Christmas Reformed Church. View over 200 Nativity sets from around the world, eat baked goods, drink hot apple cider and listen to live music with choirs and various instruments, including the organ. Donations will be made to the Inn of the Good Shepherd. We look forward to seeing you!
Dates: Dec 6th from 1-7pm and Dec 7th from 10am - 3pm
Location: 1105 Exmouth St. at the corner of Murphy.
Call: 519-336-8808
sarniafirstcrc@cogeco.net
<https://sarniafirstcrc.com>

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This Week

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Carriers Wanted
Deliver every Thursday before 9pm
SF959 - Brigden
This route is located on Boswell and Duncan. It has 30 flyers to be delivered once a week. (Thurs) Your profit every two weeks would be approx. \$10.20.
Contact Penny Churchill
519-344-3641 Ext. 5
pchurchill@postmedia.com

Sarnia & Lambton County This Week
Carriers Wanted
SF5005
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SF153
this route is located on Giffel, Lang, Linden Way, Lockhart and Lombardy. 96 flyers to be delivered once a week (Thurs) Profit every two weeks would be \$32.64.
SF5029
This route is located on Assiniboine, Wilmont and Montrose. It has 90 flyers to deliver once a week (Thurs) Profit every two weeks would be \$30.60.
SF285
This route is located on N Indian Rd. It has 57 flyers to be delivered every Thurs. Profit would be \$19.38.
SF424
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SF452
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SF1205-Townhouse route
This route is located on Colborne Rd (900) block. It has 50 Flyers to be delivered once a week Thurs. Profit every two weeks would be approx. \$17.00.
Penny Churchill @ 519-344-3641, Ext. 5
pchurchill@postmedia.com

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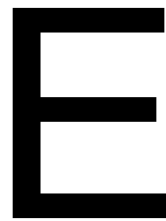
The page features several large, solid-colored rectangular blocks that serve as a decorative background. A large dark green block is on the left side, extending from the middle of the page down to the bottom. A grey block is in the top right corner. A light grey block is at the bottom left. A black block is at the bottom right. The title 'D Indigenous Community Mailing List' is positioned to the right of the green block.

D

Indigenous Community Mailing List

Indigenous Communities/Organizations

[illegible]

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Completed Sign-In Sheet



Public Information Session 3

Twin Creeks Environmental Centre Landfill Optimization Project EA

November 27, 2024

61 Centennial Avenue, Watford, ON N0M 2S0

+2

Name	Address	Phone Number	Email
Treva Jarrett			
Rae Van Horne			
ODD CASE			
Ryan Channey			
Stephanie Cathysse			
Kyle Chisholm			
Chad La			
Mary Lynn Metras			
TERRY Smith			
Paul Strydom			
Rob Watson			
Emily Jocius			
J Mespelberg			
D Mulou			
Heather Wright			
JERRY WESTGATE			
John + Jim VanLoon			
MAC PARKER			
Linda + Bill Nugent			
JASON COLE			
PAT MUXLOW			
Ruth Downie			



Public Information Session 3

Twin Creeks Environmental Centre Landfill Optimization Project EA

November 27, 2024

61 Centennial Avenue, Watford, ON N0M 2S0

Name	Address	Phone Number	Email
John Gougenberg			
Mejlan Henkay			
Wayne Morris			
Sandy Wilcox			
Lynn Rosales			
Chashe McEde			
Dora Smith			
Betsy Rombouts			
Chris Van Horn			
Melissa Koch			
Jerry VanHaaren			
Vivian			
Carolyn Cornelissen			

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Public Information Session Content



Public Information Session 3

Twin Creeks Environmental
Centre Landfill Optimization
Project Environmental
Assessment

November 27, 2024





Welcome

Public Information Session 3 is being held to present:

- An **update** on the Environmental Assessment (EA)
- The **Alternative Methods**
- The preliminary results of the **effects assessment** for the Alternative Methods
- The preliminary results of the **comparative evaluation** that was conducted to select a **Preferred Alternative**
- **Next steps** in the EA Process

WM staff and consultants are available to answer your questions



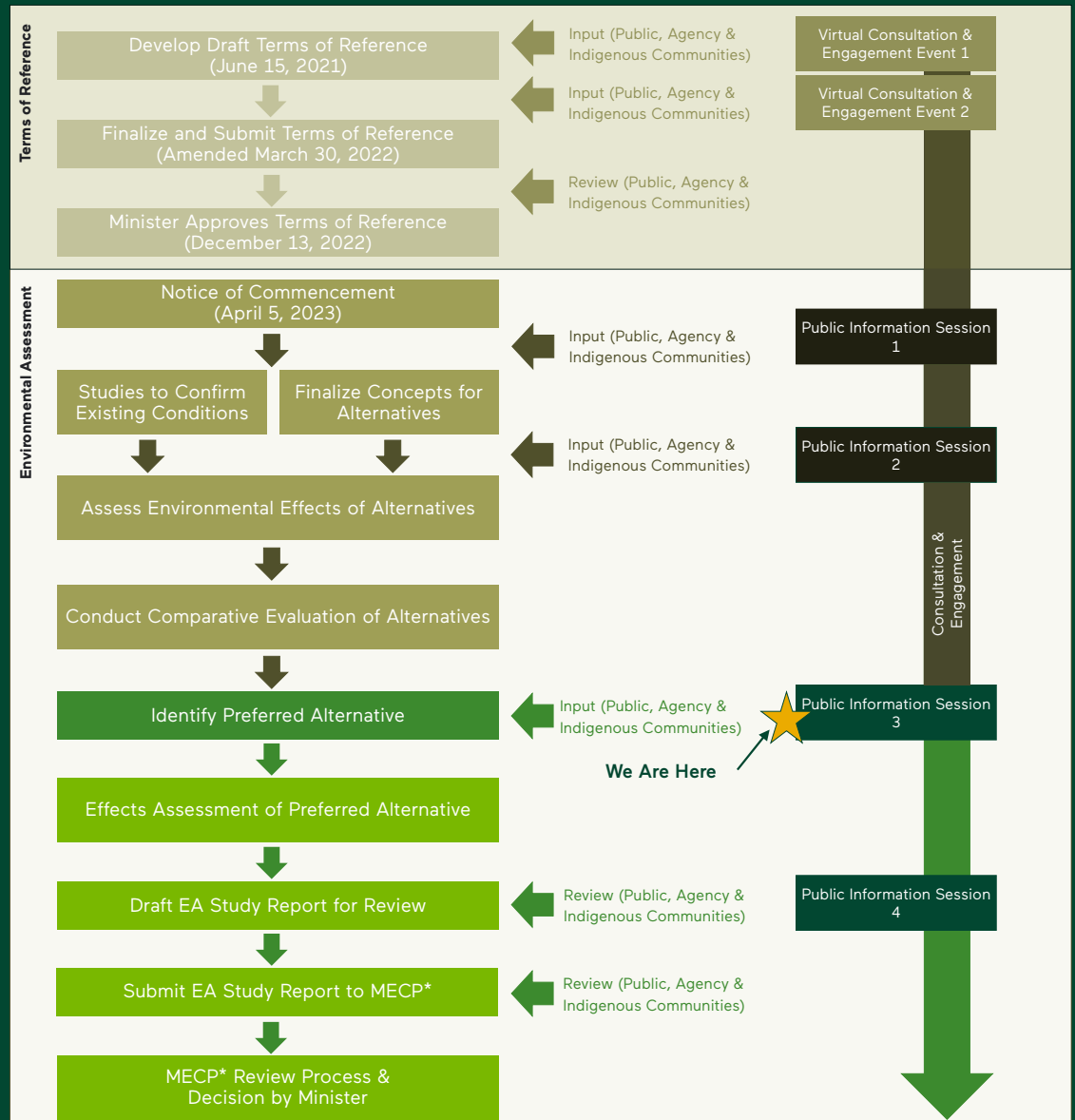
Environmental Assessment Update

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

Vertical Alternative Methods have been developed for assessment in the EA.

Studies to assess the effects of the Alternative Methods have been undertaken and documented in draft Effects Assessment Reports. These reports will be available for public review on December 6, 2024.

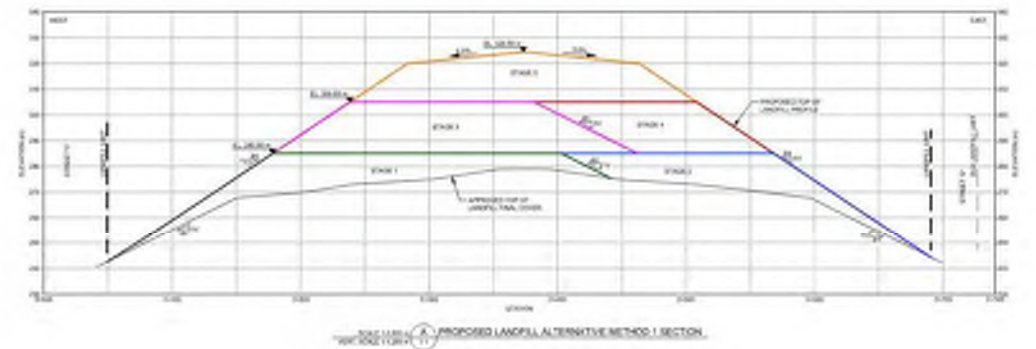
The next step is to review public input on the effects assessment reports, conduct the effects assessment of the Preferred Alternative, and develop the Draft EA Study Report.



*MECP = Ministry of Environment, Conservation and Parks

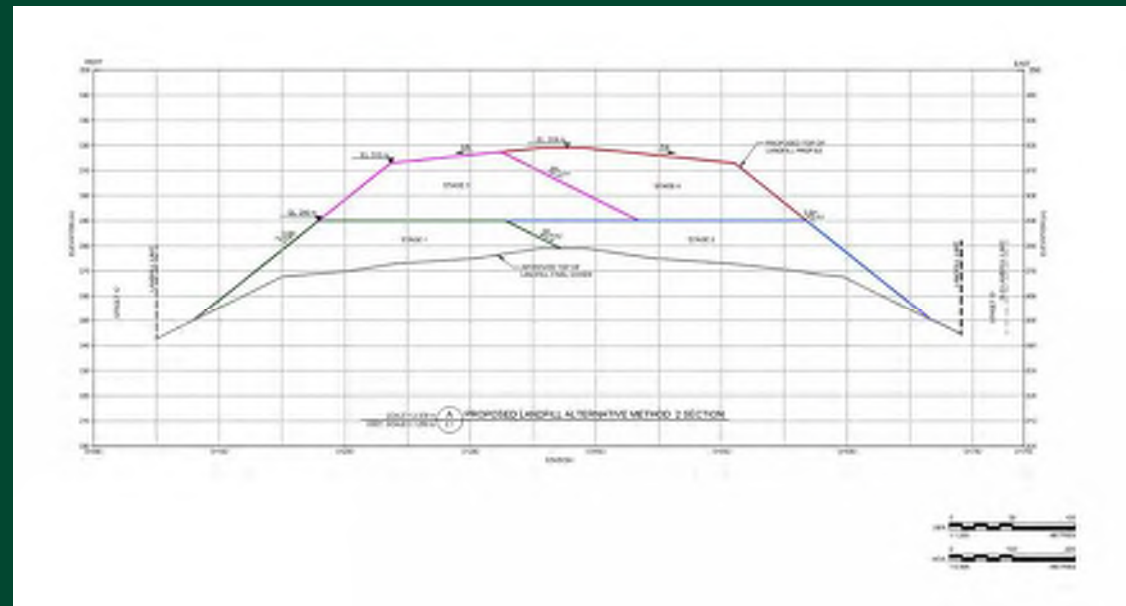
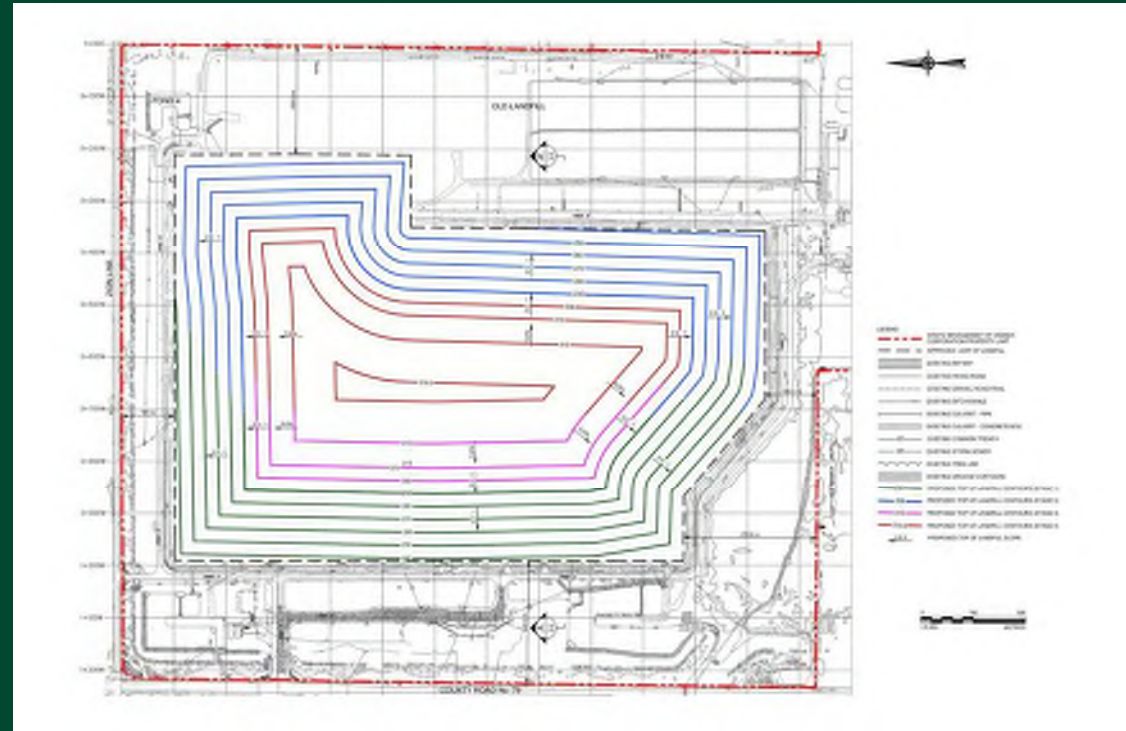
Alternative Method 1

- Capacity of 14.3 million m³
- 12 years of operation
- 5 stages
- Maximum height = 324.5 masl
- 44.5 m higher than approved Expansion Landfill (280 masl)
- Increase of final landfill side slopes from 4H:1V to 3H:1V between the original grade and elevation 320 masl (about 16 m in grade change) transitioning to a 20H:1V upper slope



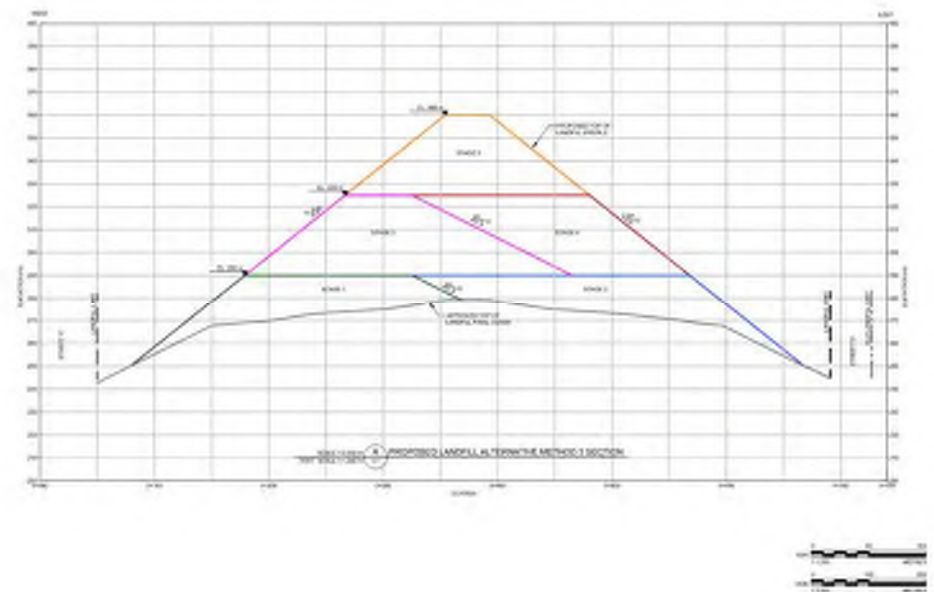
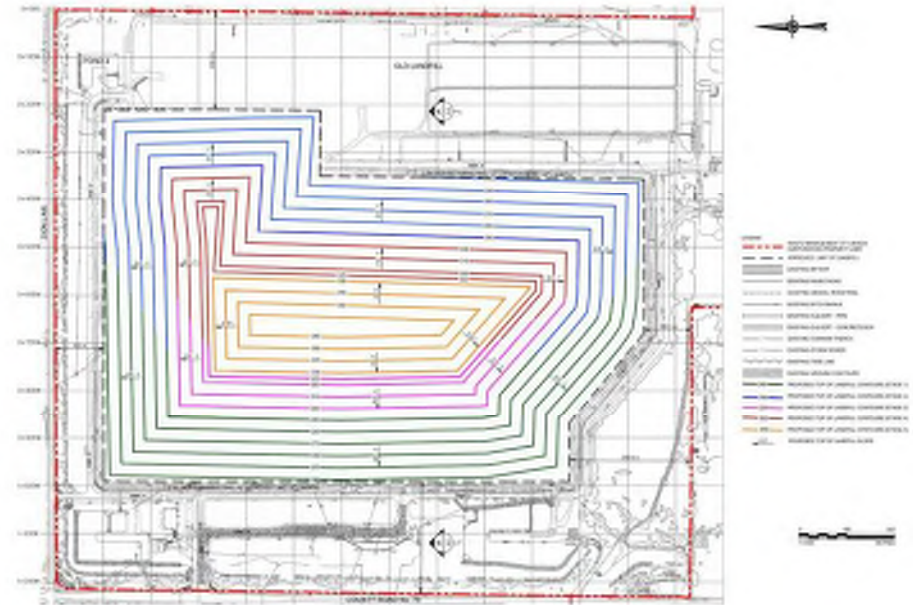
Alternative Method 2

- 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



Alternative Method 3

- Capacity of 14.3 million m³
- 12 years of operation
- 5 stages
- Maximum height = 360 masl
- 80 m higher than approved Expansion Landfill (280 masl)
- Increase of final landfill side slopes from 4H:1V to 2.5H:1V between elevation 260 masl and elevation 360 masl, about 100 m in grade change



Air Quality Effects Assessment

Dust

Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Off-site point of impingement air concentrations of particulate matter (dust) compounds at identified receptors in the immediate vicinity of the site, and community.	Sources: - On-site vehicle traffic (on both paved and unpaved roads) - Idling vehicles - Wind erosion of exposed areas - Material handling, including waste soils and daily cover material - Bulldozing Mitigation: - Continued implementation of Dust Management Plan. - Replace the existing unpaved south access ramp of the landfill area with a hard surface equivalent to a paved road. - Implementation of enhanced watering practices to achieve 95% control along paved haul routes.		
Frequency of any exceedance of applicable standards, limits, or guidelines at identified receptors.	With the application of mitigation strategies, concentrations, frequencies of predicted exceedance at discrete receptors, and number of off-site receptors potentially affected are expected to decrease to levels similar to Future Baseline Conditions: - Annual TSP, annual $PM_{2.5}$, and 24-hour $PM_{2.5}$ at all receptors < criteria. 24-hour TSP > criteria at 11 receptors at some point during the Project, with frequency ranging from 0.1% to 2.2% of the time. 24-hour PM_{10} > criteria at 5 receptors at some point during the Project, with frequency ranging from 0.1% to 1.3% of the time.		
Number of off-site identified receptors potentially affected (e.g., residential properties, public facilities, businesses/farms, institutions).	No net effects. Potential increases in concentrations, frequency and number of receptors resulting from proximity to the working face and supporting infrastructure offset by mitigation resulting in no changes from predicted Future Baseline Conditions for the Expansion Landfill.		

Litter

Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Extent of zones potentially impacted by blowing litter.	Sources: - Working face where freshly deposited waste is exposed to the wind. - High winds with potential to blow litter from <2% to 5% of the time for a given wind direction.		
Number of off-site receptors potentially affected (e.g., residential properties, public facilities, businesses/farms odour sensitive area(s), institutions).	Mitigation: - Continued implementation of Litter Management Plan. - Continued use of permanent litter fencing at the northern property boundary. - Continued use of portable litter fencing at the landfill working face. No net effects. No changes from predicted Future Baseline Conditions for the Expansion Landfill.		

Landfill Gas and Combustion By-products

Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Off-site point of impingement air concentrations of indicator compounds at identified receptors in the immediate vicinity of the site, and community (within 5 km).	Sources: - Fugitive emissions of landfill gas (LFG) through the surface of the landfill, through both final cap and interim cover areas - VOCs and ammonia from the leachate collection and treatment system - VOCs from contaminated soils - Uncombusted LFG compounds emitted from the landfill flares - Uncombusted LFG compounds emitted from the RNG Facility thermal oxidizers and flares - Tailpipe emissions from mobile equipment.		
Frequency of any exceedance of applicable standards, limits, or guidelines at identified receptors.	Mitigation: - LFG collection efficiency of 75% for areas without final cover and 90% for areas with final cover. - Continued installation of Early Vertical Gas System wells.		
Number of off-site receptors potentially affected (e.g., residential properties, public facilities, businesses/farms, institutions).	No net effects. Potential increases in off-site concentrations due to increased production of LFG offset by increased LFG collection efficiency resulting in no changes from predicted Future Baseline Conditions for the Expansion Landfill.		



Air Quality Receptor Locations

Odour Effects Assessment

Sources

- Landfill gas (LFG) and waste odours from the landfill and waste acceptance activities: active face, interim cover areas
- Leachate odours from the leachate collection, storage, and treatment system
- Hydrocarbon odours from contaminated soils

Odour Concentration Levels

- Odour measured in odour units per cubic metre (OU/m³).
- Average odour detection threshold is 1 OU/m³, although odours at this level are not necessarily a nuisance.
- MECP: odour < 1 OU/m³ acceptable at receptors if frequency is < 0.5% of the time.

1
Detection
Threshold

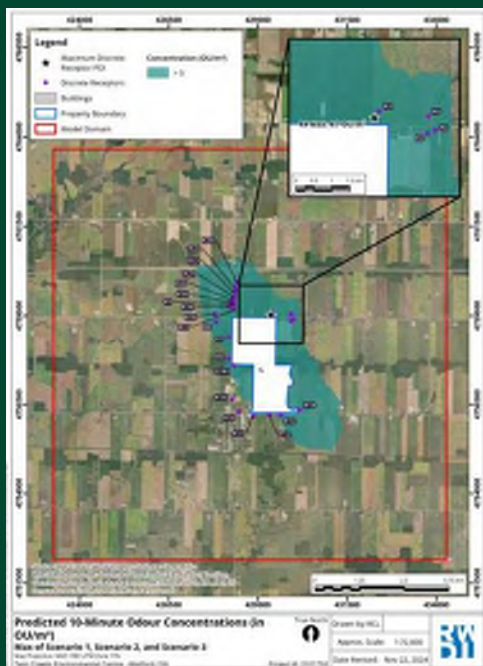
3
Recognition
Threshold

5
Annoyance
Threshold

Project

- Operations will move around the landfill site over the life of the landfill
- Working face in closer proximity to receptors in the west, northwest, and northeast at different times
- Three future operational scenarios considered:
 - Scenario 1: 2034** - End of Stage 1, with the working face and extension of the southern access haul route in the northwest corner of the existing landfill footprint.
 - Scenario 2: 2037** - End of Stage 2, with the working face and extension of the southern access haul route in the northeast corner of the existing landfill footprint.
 - Scenario 3: 2042** - End of Stage 4, with the working face and extension of the southern access haul route toward the northeast corner but not as close to the extent of the existing landfill footprint.
- Scenario 1** has the worst-case for odour:
 - Concentrations > 1 OU/m³ (detection threshold) at 24 receptors, with frequency ranging from 0.3% to 4% of the time.
 - Concentrations > 3 OU/m³ (recognition threshold) at 17 receptors, with frequency ranging from 0.01% to 0.3% of the time.
 - No concentrations > 5 OU/m³ (annoyance threshold) at any receptors.
- Odour levels are predicted to decrease over time, as more of the landfill is placed under final cover.

Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Off-site odour concentrations (odour units) at identified odour sensitive receptors in the immediate vicinity of the site.	Predicted odour concentrations may exceed criteria at discrete receptor locations.		
Frequency of any odour levels above defined odour benchmarks.	Frequency of odour levels above defined odour benchmarks may increase.		
Number of off-site receptors potentially affected (e.g., residential properties, public facilities, businesses/farms odour sensitive area(s), institutions).	The number of discrete receptors with predicted odour concentrations exceeding criteria may increase.		



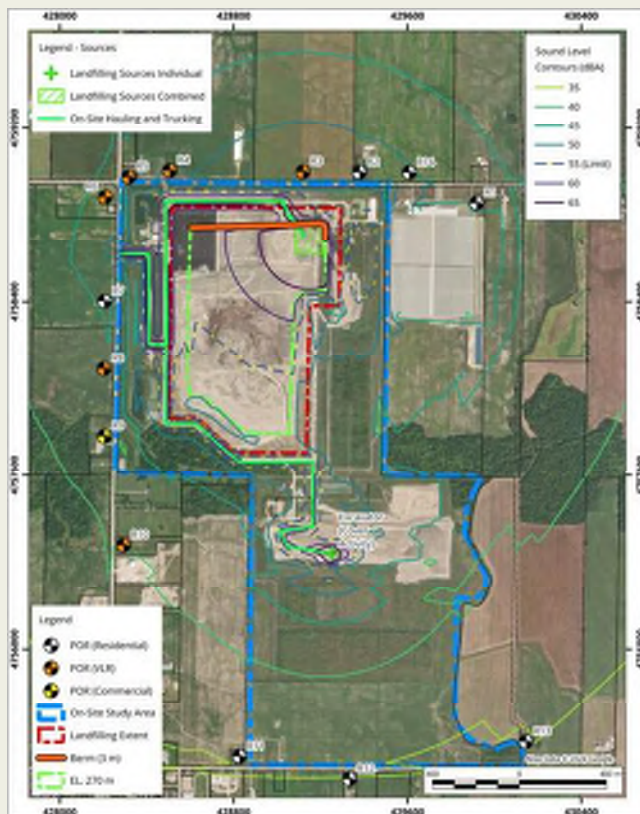
Maximum 10-minute Odour Concentrations:
Scenario 1 (2034),
Scenario 2 (2037), and
Scenario 3 (2042)



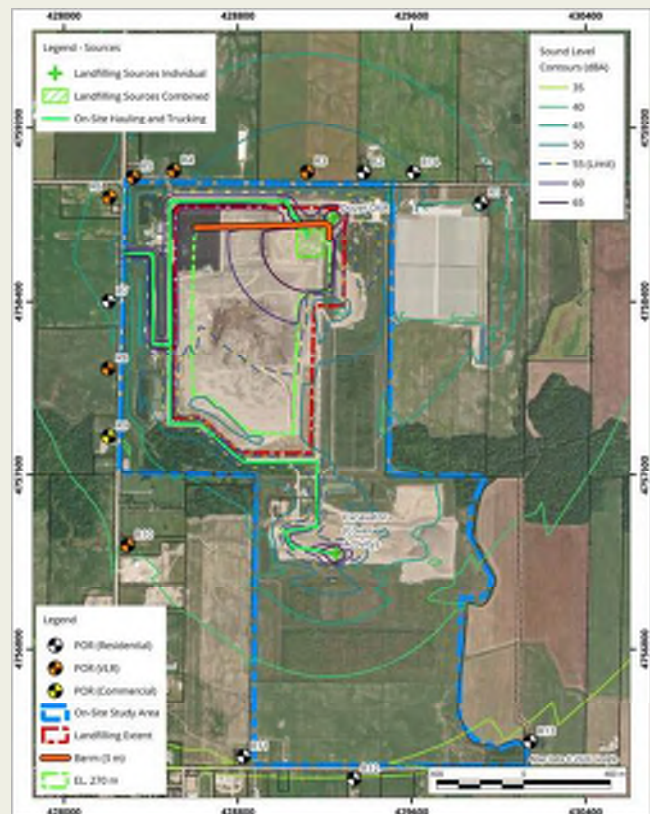
Noise Effects Assessment

Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Predicted site-related noise levels (measured in dBA or dBA1)	Sources: - Landfill operations including landfilling equipment working the perimeter of the landfill. - Site-related traffic and background (non-landfill-related) traffic and haul route. - Stationary sources and ancillary equipment. - Emergency sources. - Pest control devices.		
Change in sound levels (dB)	Mitigation: - Setbacks from landfilling activities. - Construction of localized berms along the perimeter of the landfill. - Limit the number of active equipment near the perimeter of the landfill. No net effects. - Noise levels meeting applicable landfilling noise guidelines during daytime hours. - Alternative Methods 2 & 3 have greater setbacks than Alternative Method 1 by ~50 metres. - No predicted change in noise levels due to the Project along the haul route; landfill traffic volumes are expected to remain the same.		

Alternative Method 2
Stage 2, Contour Height 1.5 metres
Typical Landfilling Lower Elevation with Berm Mitigation



Alternative Method 2
Stage 2, Contour Height 1.5 metres
Side Slope Redevelopment with Equipment Restriction Mitigation



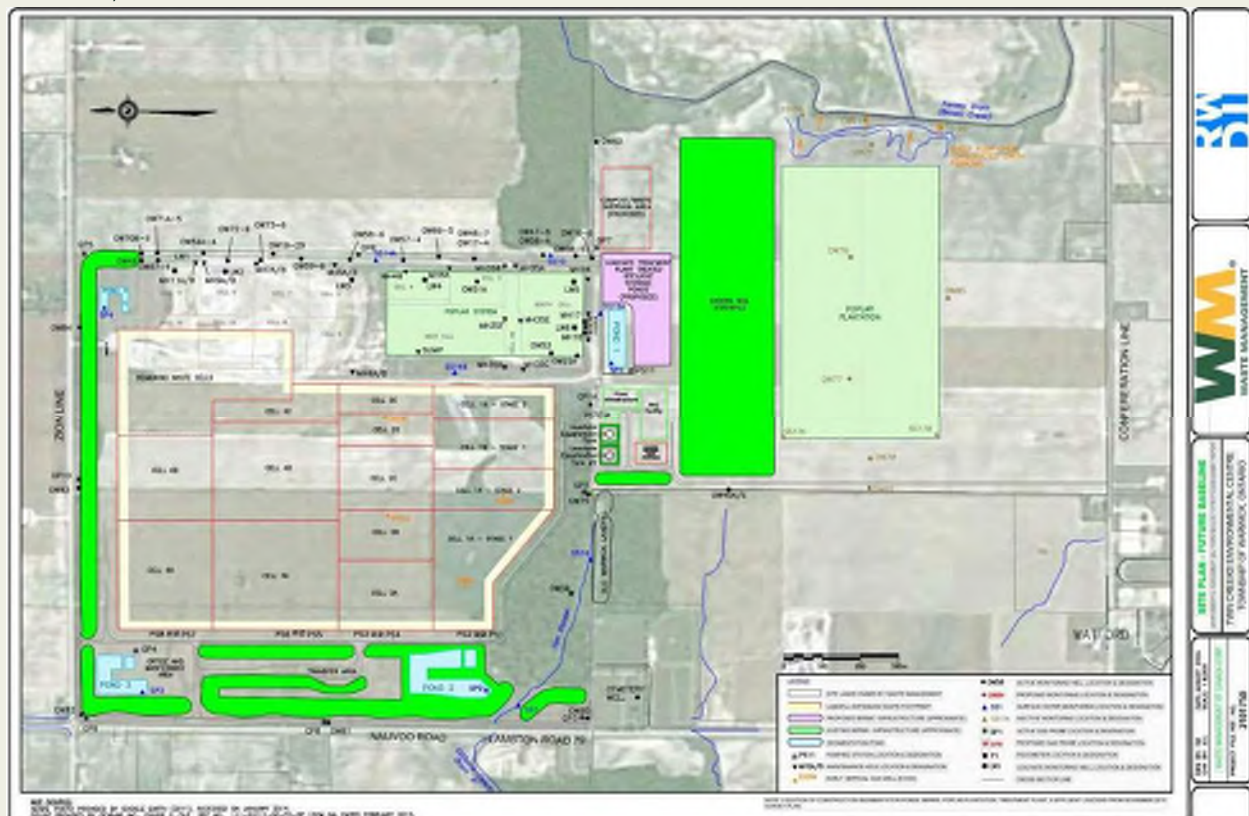
Groundwater Quantity

Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Predicted effects of the landfill optimization on groundwater flow and quantity both on-site and off-site	Sources: - Groundwater potentiometric pressures could be affected by the additional waste mass, thus influencing the hydraulic trap condition of the Expansion Landfill. - Increase in landfill cap surface area is expected to generate a greater volume of leachate. - Primary leachate source is from precipitation infiltrating into and percolating through the waste; groundwater contribution is negligible. Mitigation: - Expansion Landfill designed for hydraulic containment (groundwater flow towards the landfill footprint), which prevents the outward movement of leachate. - Continue operation of Leachate Management System to effectively capture, contain, and treat leachate. - Continue leachate monitoring program. - Continue groundwater level monitoring. - Continue operation under Waste and Sewage Environmental Compliance Approvals (ECAs). No net effects. No effects to groundwater quantity as the hydraulic trap design is maintained as required under the Waste and Sewage ECAs.		

Groundwater Quality

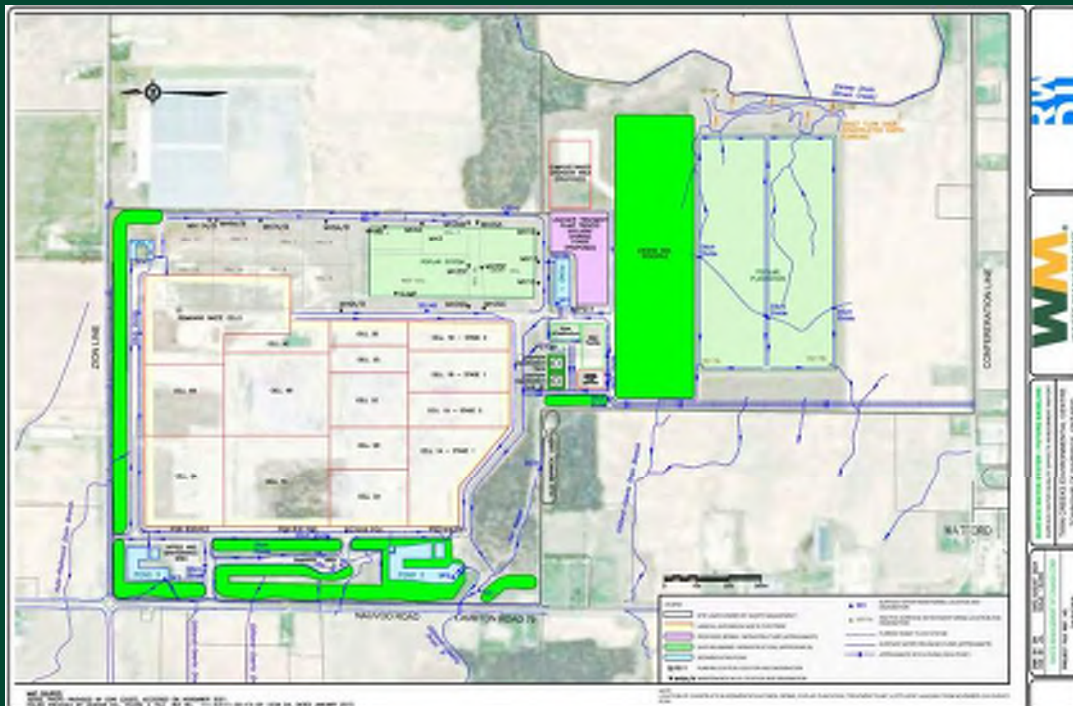
Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Predicted effects, from increased waste quantities disposed within the Expansion Landfill, on the groundwater quality both on-site and off-site	Sources: • Increase in landfill cap surface area is expected to generate a greater volume of leachate, thus potentially increasing the probability for impacts to groundwater quality. Mitigation: • No change to Expansion Landfill footprint. • Expansion Landfill designed for hydraulic containment (groundwater flow towards the landfill footprint), which prevents the outward movement of leachate. • Continued operation of Leachate Management System to effectively capture, contain, and treat leachate. • Continued leachate monitoring program. • Continued operation under Waste and Sewage Environmental Compliance Approvals (ECAs). No net effects. No effects to groundwater quality as the hydraulic trap design is maintained as required under the Waste and Sewage ECAs.		
Predicted Contaminating Lifespan of the Expansion Landfill under the Alternative	Sources: • Increase in waste volume will increase the contaminating lifespan (CLS). Mitigation: • Continue groundwater monitoring programs. Net Effect: CLS increase by 61 years from 102 years for Expansion Landfill to 163 years post-closure.		

On-site Study Area



Surface Water Quality Effects Assessment

Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Predicted effects on Surface Water Quality on-site prior to off-site discharge: <i>Erosional Effects on Total Suspended Solids (TSS) and heavy metal concentrations in surface water</i>	Sources: - Precipitation-induced erosion of exposed clayey soil on-site: - Steeper sideslopes - Exposed sideslopes during construction - Larger surface area of the finished landfill cap Mitigation: - Continue to operate and monitor Surface Water Quality in accordance with the Waste and Sewage ECAs. - Install/maintain sediment control measures (e.g., straw bale/rock check dams, silt fencing, add vegetative controls, etc.) 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 (e.g., at check dams, silt fencing, retention ponds, etc.). - Place topsoil and seed over areas of the Expansion Landfill side slopes completed with interim cover, where appropriate (e.g., 2 years). - Inspect areas of soil stockpiling for erosion. Where necessary, install erosion control measures (e.g., silt fencing, straw bales, rock check dams, add vegetative controls, etc.) to protect the drainage network from unacceptable sediment loading. No net effects. Presuming the mitigation measures are implemented and maintained as required, the risk for impacts to Surface Water Quality due to erosional effects will be effectively managed.		
Predicted effects on Surface Water Quality on-site prior to off-site discharge: <i>Leachate seep impacts to Surface Water Quality</i>	Sources: - Perched leachate conditions may be encountered during interim cap stripping. - Probability of leachate seepage is proportional to the increase in cap surface area and landfill height (e.g., more cap/height, more chances of leachate seepage). Mitigation: - Continue to operate and monitor Surface Water Quality in accordance with the Waste and Sewage ECAs. - Seep repairs, when identified, should be implemented immediately and if possible, prior to seepage entering and/or running off landfill sideslopes and into the surface water drainage network. - Routine inspections (e.g., monthly during post-closure) of the landfill surface are expected to provide sufficient frequency to identify and, if necessary, address leachate seepage. No net effects. There is no expected net effect to Surface Water Quality from leachate impacts with the implementation of a seepage monitoring and repair program.		
Predicted effects from polyaromatic hydrocarbons (PAHs) in Automobile Shredder Residue (ASR) on Surface Water Quality within the roadside ditch of the northbound lane of Nauvoo Road from the TCEC to Hwy 402 in the Off-Site Study Area	Sources: - Increased duration of ASR disposal and management at the TCEC. Mitigation: - Continue rigorous routine inspection and cleanup of track out ASR. No net effects. There is no expected net effect to off-site Surface Water Quality from ASR track out with the continued mitigation.		



Surface Water Drainage Network and Monitoring Stations



Surface Water Quantity Effects Assessment

Sources

- Changes in catchment areas within the landfill site resulting from new grading for the alternative methods.
- Decrease in time of concentration.
- Timing of peak flows and the redistribution of catchment areas is expected to increase or decrease some of the peak flows leaving through the site outlets.

Mitigation

- None required.

Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Change in runoff volumes and peak flows resulting from steeper and longer side slopes	• No change in total runoff volume from the landfill site. • Timing of peak flows and redistribution of catchment areas will affect peak flows leaving the outlets. • All four stormwater management ponds on the landfill site 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.		
Changes in drainage areas on-site and off-site	• Peaking elevation of 324.5 masl. • Increase in peak flows at Outlets A (11%) and G (7%). • Decrease in peak flows at Outlets B (-4%) and C (-18%).	• Lowest peaking elevation at 319 masl. • Increase in peak flows at Outlets A (12%) and G (6%). • Decrease in peak flows at Outlets B (-4%) and C (-17%).	• Highest peaking elevation at 360 masl. • Increase in peak flows at Outlets A (10%) and G (6%). • Decrease in peak flows at Outlets B (-4%) and C (-18%).
Predicted occurrence and degree of off-site effects to surface water flows	• As a result of the new grading for this alternative method, the catchment delineation within the optimization area on the landfill site will change. • The existing swales around the landfill site are also able to safely convey the 25-year design storm without overtopping. • The relocated swales (SWC1A and SWG2A) and new culvert will also be able to convey the flows appropriately when constructed. • No changes to off-site drainage areas are anticipated because existing off-site drainage areas can accommodate the changes in peak flows from the site outlets. • Changes in catchment areas within the landfill area is between -23% and 37% when compared to existing conditions. • Downstream receiver of flows from Outlet A is the Auld-Redmond Drain and the downstream receiver of flows from Outlet G is the Gilliland-Geerts Drain. • Mitigation is not required as the peak flows are less than 1 m³/s for Outlets A, B and C and 1.6 m³/s for Outlet G.		

Alternative Method 1



Alternative Method 2



Alternative Method 3





Visual Effects Assessment

Magnitude of Visual Change

1. Visible landfill area
2. Distance to the Landfill Optimization site
3. Horizontal angle of view
4. Visual Absorption Capacity Factor (VACF)

Combined Effect Value (CEV) = $\sum$ 4 Factors

Combined Effect Values and Relative Visual Effect Levels

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

1. Perceived Visible Area and Relative 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 in Relation to Relative 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 Relative Effect Levels

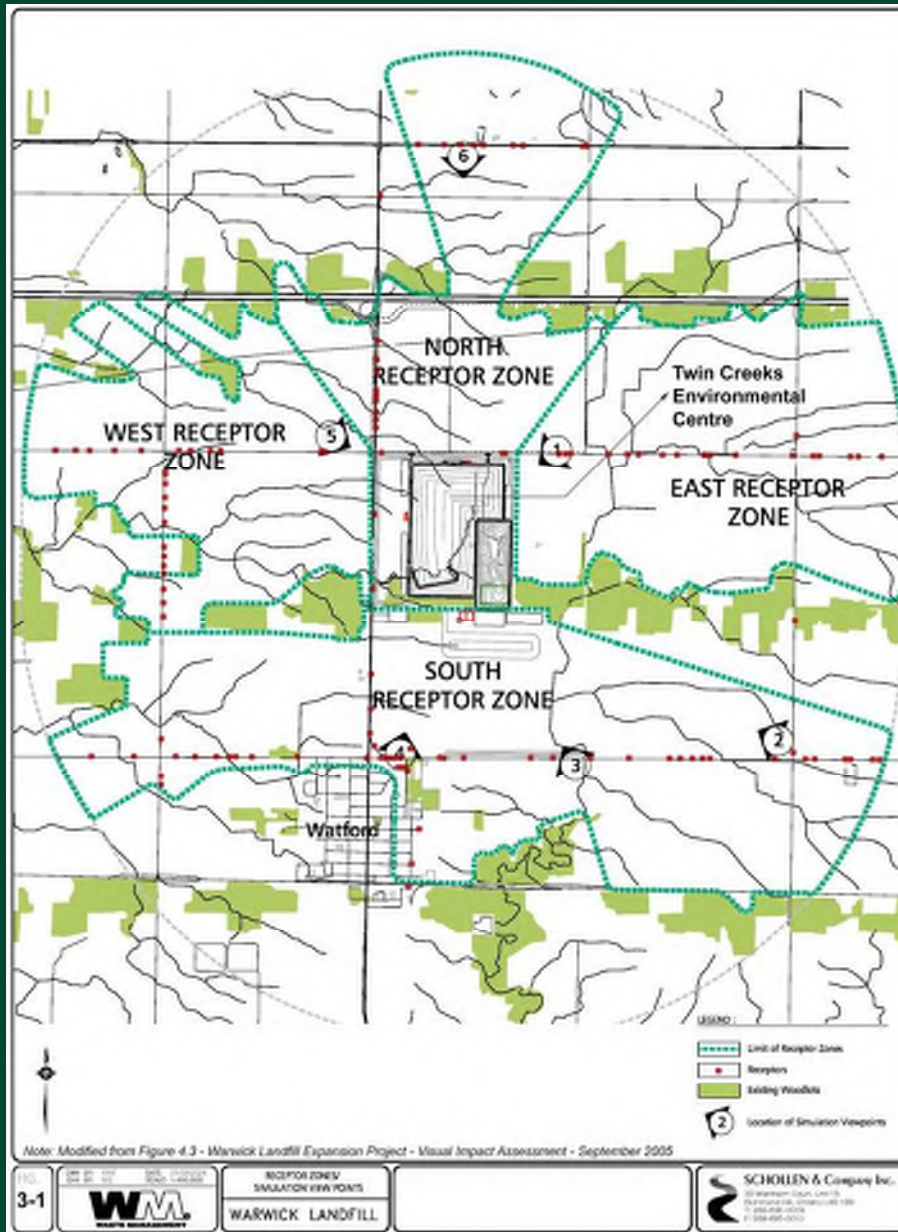
Horizontal Angle of View	Effect Level	Value
>90°	Very high	5
50° - 90°	High	4
31° - 50°	Moderate	3
16° - 30°	Low	2
0° - 15°	Very low	1

4. VACF and Relative 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

Viewpoint Locations

- Six (6) viewpoint locations in four receptor zones
- Limit of Receptor Zone corresponds to the viewshed of the approved Expansion Landfill



Visual Effects – Alternative Method 1



Viewpoint 1

Visible Landfill Area = 41,688 m², index 59.6; effect value = 5.
Distance = 700 m; effect value = 4.
Horizontal Angle of View = 40°; effect value = 3.
VACF = 1; effect value = 5.
CEV = 17; high effect.



Viewpoint 2

Visible Landfill Area = 40,413 m², index 13.6; effect value = 3.
Distance = 2,972 m; effect value = 1.
Horizontal Angle of View = 15°; effect value = 1.
VACF = 1; effect value = 5.
CEV = 10; moderate effect.



Viewpoint 3

Visible Landfill Area = 41,215 m², index 25.4; effect value = 5.
Distance = 1,621 m; effect value = 2.
Horizontal Angle of View = 20°; effect value = 2.
VACF = 1; effect value = 5.
CEV = 14; high effect.



Viewpoint 4

Visible Landfill Area = 20,949 m², index 15.1; effect value = 3.
Distance = 1,387 m; effect value = 3.
Horizontal Angle of View = 14°; effect value = 1.
VACF = 1; effect value = 5.
CEV = 12; moderate effect.



Viewpoint 5

Visible Landfill Area = 39,471 m², index 55.8; effect value = 5.
Distance = 707 m; effect value = 4.
Horizontal Angle of View = 40°; effect value = 3.
VACF = 1; effect value = 5.
CEV = 17; high effect.



Viewpoint 6

Visible Landfill Area = 19,259 m², index 6.8; effect value = 1.
Distance = 2,820 m; effect value = 1.
Horizontal Angle of View = 11°; effect value = 1.
VACF = 1; effect value = 5.
CEV = 8; low effect.

Total Effect:

- 3 high
- 2 moderate
- 1 low

Total CEV by Effect:

- High = 48
- Moderate = 22
- Low = 8

Total CEV = 78

Visual Effects – Alternative Method 2



Viewpoint 1

Visible Landfill Area = 41,722 m², index 59.6; effect value = 5.
Distance = 700 m; effect value = 4.
Horizontal Angle of View = 41°; effect value = 3.
VACF = 1; effect value = 5.
CEV = 17; high effect.



Viewpoint 2

Visible Landfill Area = 37,097 m², index 12.5; effect value = 2.
Distance = 2,972 m; effect value = 1.
Horizontal Angle of View = 15°; effect value = 1.
VACF = 1; effect value = 5.
CEV = 9; moderate effect.



Viewpoint 3

Visible Landfill Area = 40,586 m², index 25.0; effect value = 5.
Distance = 1,621 m; effect value = 2.
Horizontal Angle of View = 21°; effect value = 2.
VACF = 1; effect value = 5.
CEV = 14; high effect.



Viewpoint 4

Visible Landfill Area = 21,000 m², index 15.1; effect value = 3.
Distance = 1,387 m; effect value = 3.
Horizontal Angle of View = 15°; effect value = 1.
VACF = 1; effect value = 5.
CEV = 12; moderate effect.



Viewpoint 5

Visible Landfill Area = 40,051 m², index 56.6; effect value = 5.
Distance = 707 m; effect value = 4.
Horizontal Angle of View = 41°; effect value = 3.
VACF = 1; effect value = 5.
CEV = 17; high effect.



Viewpoint 6

Visible Landfill Area = 19,228 m², index 6.8; effect value = 1.
Distance = 2,820 m; effect value = 1.
Horizontal Angle of View = 11°; effect value = 1.
VACF = 1; effect value = 5.
CEV = 8; low effect.

Total Effect:

- 3 high
- 2 moderate
- 1 low

Total CEV by Effect:

- High = 48
- Moderate = 21
- Low = 8

Total CEV = 77

Visual Effects – Alternative Method 3



Viewpoint 1

Visible Landfill Area = 63,950 m², index 91.4; effect value = 5.
Distance = 700 m; effect value = 4.
Horizontal Angle of View = 41°; effect value = 3.
VACF = 1; effect value = 5.
CEV = 17; high effect.



Viewpoint 2

Visible Landfill Area = 57,893 m², index 19.5; effect value = 4.
Distance = 2,972 m; effect value = 1.
Horizontal Angle of View = 15°; effect value = 1.
VACF = 1; effect value = 5.
CEV = 11; moderate effect.



Viewpoint 3

Visible Landfill Area = 61,476 m², index 37.9; effect value = 5.
Distance = 1,621 m; effect value = 2.
Horizontal Angle of View = 21°; effect value = 2.
VACF = 1; effect value = 5.
CEV = 14; high effect.



Viewpoint 4

Visible Landfill Area = 29,546 m², index 21.3; effect value = 4.
Distance = 1,387 m; effect value = 3.
Horizontal Angle of View = 15°; effect value = 1.
VACF = 1; effect value = 5.
CEV = 13; high effect.



Viewpoint 5

Visible Landfill Area = 60,574 m², index 85.7; effect value = 5.
Distance = 707 m; effect value = 4.
Horizontal Angle of View = 41°; effect value = 3.
VACF = 1; effect value = 5.
CEV = 17; high effect.



Viewpoint 6

Visible Landfill Area = 26,943 m², index 9.6; effect value = 2.
Distance = 2,820 m; effect value = 1.
Horizontal Angle of View = 11°; effect value = 1.
VACF = 1; effect value = 5.
CEV = 9; moderate effect.

Total Effect:

- 4 high
- 2 moderate
- 0 low

Total CEV by Effect:

- High = 61
- Moderate = 20
- Low = 0

Total CEV = 81

Socio-Economic Environment Effects Assessment

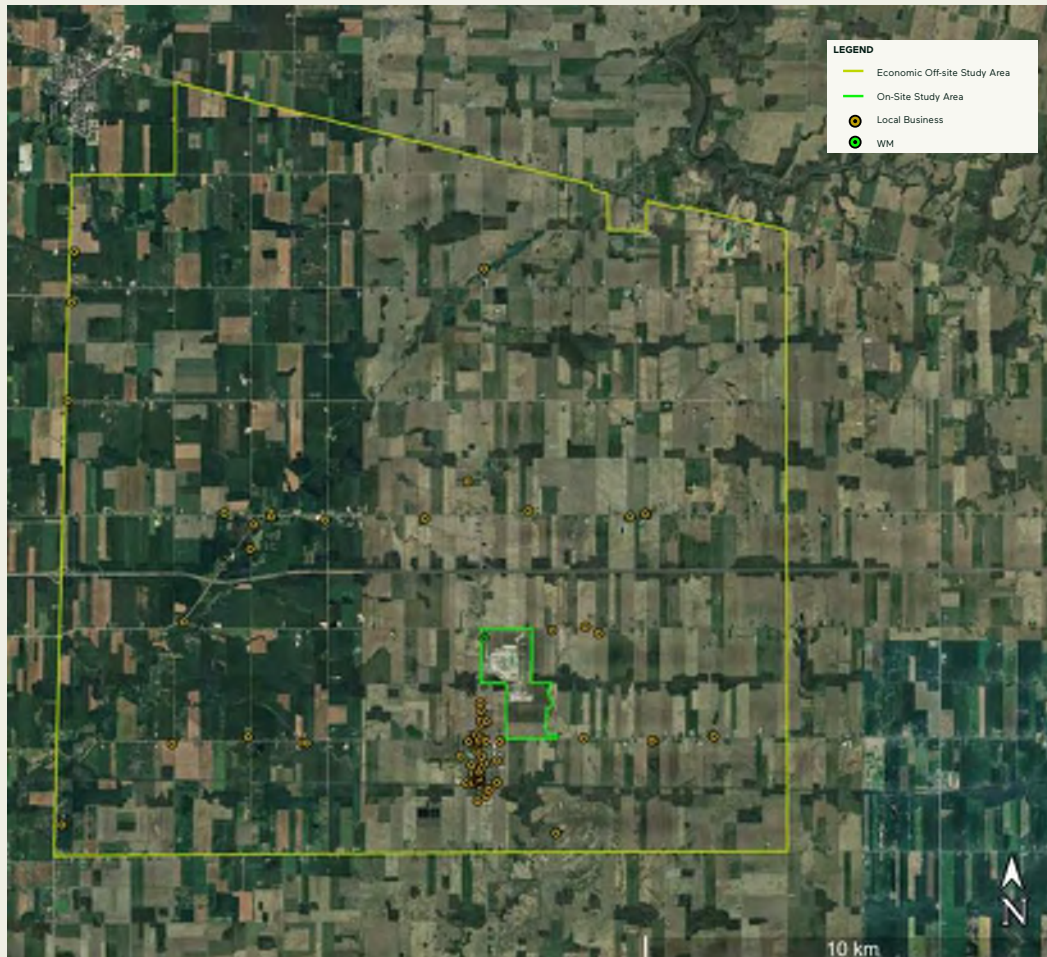
Social Environment

Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Number of Residents and Residences (e.g., receptors)	Sources: - Changes to employment at site. - Land acquisition. Mitigation: - None required. No net effects: - No changes to number of site employees. - Landfill optimization will occur within the Expansion Landfill footprint on the TCEC site.		
Number and Type of Local Businesses	Sources: - Displacement of business operations. - Changes to procurement. Mitigation: - Landfill optimization will occur within the Expansion Landfill footprint on the TCEC site. No net effects: - No displacement of business operations. - No anticipated changes to procurement other than increased duration.		
Nuisance Effects (litter, dust, noise, odour, traffic, visual)	Sources: - Disturbance from noise, dust, odour, litter, changes in traffic, and changes to the visual landscape. Mitigation: - Odour Best Management Practices Plan (BMPP); Litter BMPP; Dust BMPP; visual screening, Property Value Protection plan. Net effects: No net effects from litter, dust, noise, and traffic. - Predicted odour concentrations may exceed criteria at discrete receptor locations and the frequency of odour levels above defined odour benchmarks may increase.		
	Visual CEV of 78, with 3 high CEV viewpoints, 2 moderate CEV viewpoints, and 1 low CEV viewpoint.	Visual CEV of 77, with 3 high CEV viewpoints, 2 moderate CEV viewpoints, and 1 low CEV viewpoint.	Visual CEV of 81, with 4 high CEV viewpoints and 2 moderate CEV viewpoints.
Predicted Changes to Use and Enjoyment of Property	Sources: - Changes to buffer zones. - Restrictions on current and planned land uses. - Nuisance effects. Mitigation: - Odour BMPP. - No changes to buffer zones; no restrictions on currently existing and planned land uses. Net effects: - Minor changes to use and enjoyment of property are anticipated due to increased odour at recreational areas located south of the landfill.		
Level of Satisfaction with Living/Working in the Community	Sources: - Nuisance effects. Mitigation: - Odour Best Management Practices Plan (BMPP); Litter BMPP; Dust BMPP; visual screening. 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.		
Confidence in TCEC Operations	Sources: - Nuisance effects. Mitigation: - Odour Best Management Practices Plan (BMPP); Litter BMPP; Dust BMPP; visual screening. - No changes to operating hours, haul routes, or equipment. - Warwick Public Liaison Committee (WPLC), the Township's Technical Review Team (TRT), and the MECP will continue their activities. No net effects.		

Socio-Economic Environment Effects Assessment

Economic Environment

Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Employment at site (number, type, duration)	Sources: - Change in number of employment positions at the TCEC. Mitigation: - None required. Net Effects: - Existing 33 stable employment positions will continue for an additional 12 years.		
Contributions to the host community	Sources: - Changes to host community contributions. Mitigation: - None required. Net Effects: - Based on the average annual contributions, estimated at approximately \$4.1M (39% of Township's total annual revenue), host community payments to the Township of Warwick for the duration of the Project are estimated to amount to approximately \$49M.		
Opportunities for the provision and procurement of products and/or services	Sources: - Changes to provision and procurement of products and/or services. Mitigation: - None required. Net Effects: - Based on a conservative annual average of \$2.2M in local expenditures, an estimated \$27M will be contributed to the local economy (Watford and Township of Warwick) over the duration of the Project. - Operation of the RNG Facility at the TCEC to supply renewable natural gas to the gas network during landfill operations.		



Economic Off-site Study Area
(Township of Warwick) and
Local Businesses

Human Health Effects Assessment

Sources

- Landfill gas (LFG) as a result of naturally decaying waste.
- Combustion gases and products of incomplete combustion (PIC) from flaring LFG.
- Dust, including total suspended particulate (TSP) and fine particulate matter (i.e., PM₁₀ and PM_{2.5}) from truck traffic on paved and unpaved roads and earthworks activities.
- Metals and PICs from the leachate incineration treatment option.

Changes from 2005 Human Health Risk Assessment

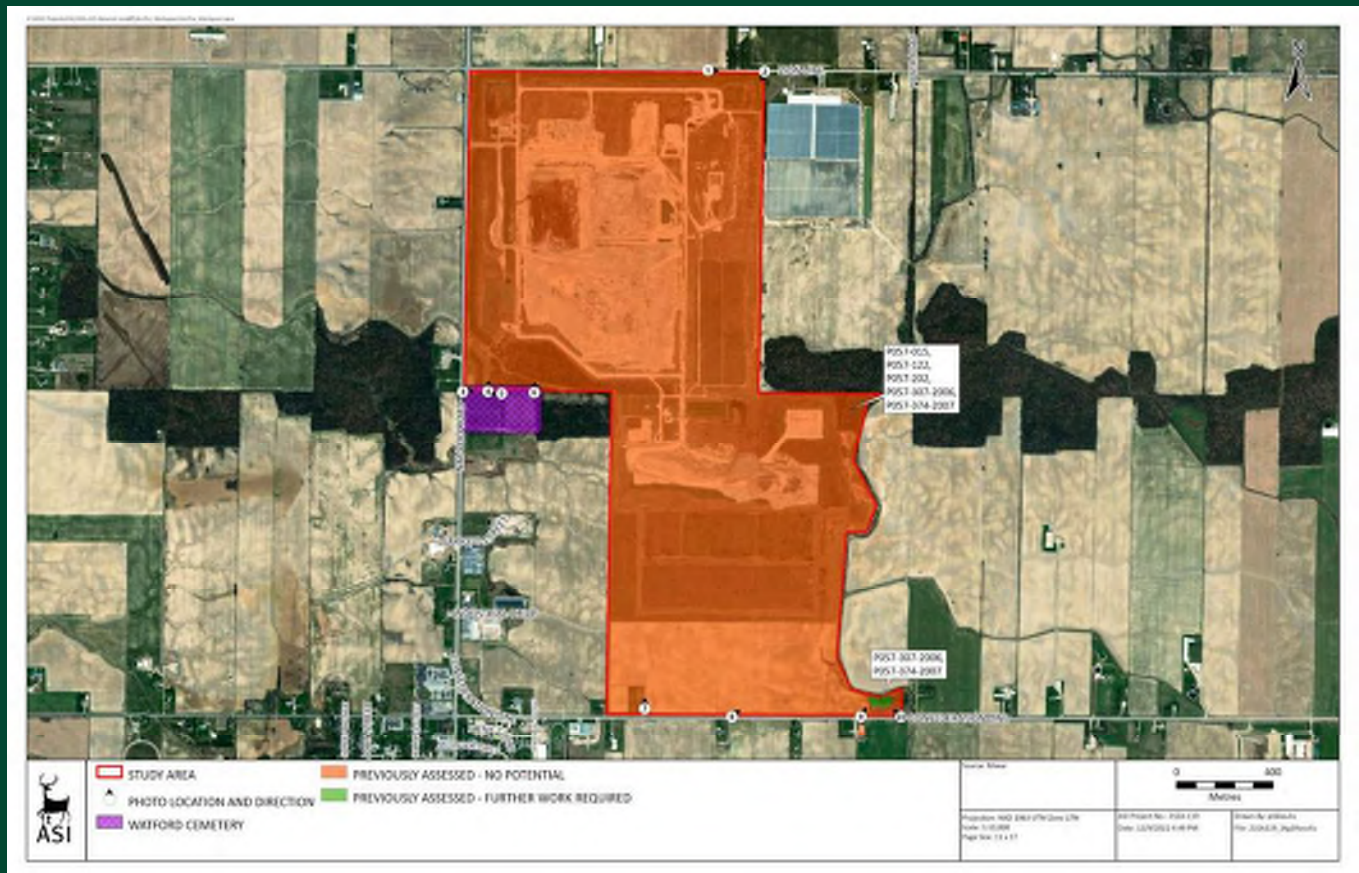
- The predicted concentrations of Contaminants of Concern (COCs) for the year 2020 from the 2005 HHRA were compared to the data from the 2019, 2020, 2021, 2022, and 2023 Annual Monitoring Reports and the Preferred Alternative.
- Several COCs were not listed in the Annual Monitoring datasets as many are not included in standard monitoring programs and were therefore modelled.
- Scaling factors were applied to modelling results for contaminants that were not VOCs or tailpipe contaminants to estimate potential concentrations.
- A toxicological literature review of exposure limits for COCs in the 2005 HHRA and exposure limits for new COCs was completed.
- Exposure limits used in the 2005 HHRA were compared to current exposure limits to determine if there was a reduction in risk, an increase in risk, or no change in risk.
- Current risks were predicted using the current exposure limits and determine the impact on previous risk estimations.
- The only new COC to be flagged as a potential risk based on the modelled emissions for the 2005 HHRA was H₂S due to an increase in inhalation risk estimate. The regulatory value (24-hour AAQC) changed from 150 µg/m³ to 7 µg/m³.

Indicator	Alternative Method 2 (Preferred Alternative)
• Predicted acute and chronic health-based concentration ratios arising from air concentrations of particulate matter (dust) and related metals at identified sensitive receptor locations within the Study Area. • Frequency of any exceedance of applicable standards, limits, or guidelines at identified receptors.	• Measured concentrations of cadmium, lead, and nickel from the Annual Monitoring Reports were greater than predicted emissions for ground-level air from the 2005 HHRA. • Predicted concentrations of PM₁₀ for the Preferred Alternative were greater than predicted emissions for ground-level air from the 2005 HHRA. • However, when these chemicals were evaluated regarding these higher concentrations with respect to the margin of safety, the predicted risk for all of the chemicals were still orders of magnitude below the health-based benchmark. • No exceedances were predicted on an annual average basis for either PM₁₀ or PM_{2.5}. The degree of, and frequency of exceedance over the PM guidelines for 24-hr time frames for PM_{2.5} were predicted to be extremely small (less than 1.3x the guidelines for <1 day/year in Year 6) and were restricted to only a very small area near the facility. The degree of, and frequency of, exceedance over guidelines for 24-hr time frames for PM₁₀ was slightly greater than those predicted for PM_{2.5}, but still not considered to represent a health concern due to the characteristics of the PM present at the TCEC. Mitigation: • The TCEC has a Dust Best Management Practices Plan (BMPP) that is implemented at the site and will be in effect during Alternative Method 2. • Through the combined efforts of the mitigation measures and implementation of the Dust BMPP, the number of TSP exceedances will be limited during the periods of heavy construction and beyond. No net effects.
• Predicted acute and chronic health-based concentration ratios arising from air concentrations of gaseous contaminants at identified sensitive receptor locations within the Study Area. • Frequency of any exceedance of applicable standards, limits, or guidelines at identified receptors.	• 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, carbon dioxide, and carbon monoxide for the Preferred Alternative were greater than the predicted emissions for ground-level air from the 2005 HHRA. • Additionally, measured concentrations of benzene, 1,2-dichloroethane, trichloroethylene, and vinyl chloride from the Annual Monitoring Reports were greater than the predicted emissions for ground-level air from the 2005 HHRA. • However, when these chemicals were evaluated as to what these higher concentrations may mean with respect to the margin of safety indicated in the 2005 HHRA, the predicted risk for all chemicals under the Preferred Alternative was still orders of magnitude below the health-based benchmarks. • H₂S was flagged as a potential risk based on the modelled emissions for the 2005 HHRA due to an increase in inhalation risk estimate of about 21-fold. This resulted in a worst-case predicted concentration that is slightly higher than 3x above the 24-hour AAQC (regulatory value changed from 150 to 7 µg/m³). Mitigation: • Recommended that polycyclic aromatic hydrocarbons, using benzo(a)pyrene as a surrogate, be added to the suite of chemicals being monitored in future air quality sampling events. • Emissions of LFG should continue to be managed by routine maintenance of the final cap and interim cover areas. Net Effects: • Risks associated with bromodichloromethane, 1,1,2,2-trichloroethane 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.

Archaeological Resources Effects Assessment

Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Archaeological resources on-site and predicted impacts on them	Sources: - Archaeological resources can be affected through direct disturbance from construction and operations. Mitigation: - Landfill expansion will only be occurring within the approved Expansion Landfill footprint within the On-site Study Area. - Archaeological Site AfH-14 has further cultural heritage value or interest and has been protected in perpetuity with the establishment of a protective 10 metre buffer and surrounding conservation area. No net effects. There is no potential for the disturbance of unassessed or documented archaeological resources.		
Cemetery property within approximately 10 metres of the proposed impacts	Sources: - Cemetery properties can be affected through direct disturbance from construction and operations. Mitigation: - Landfill expansion will only be occurring within the approved Expansion Landfill footprint within the On-site Study Area. No net effects. There is no potential for the disturbance of the adjacent Watford Cemetery property.		

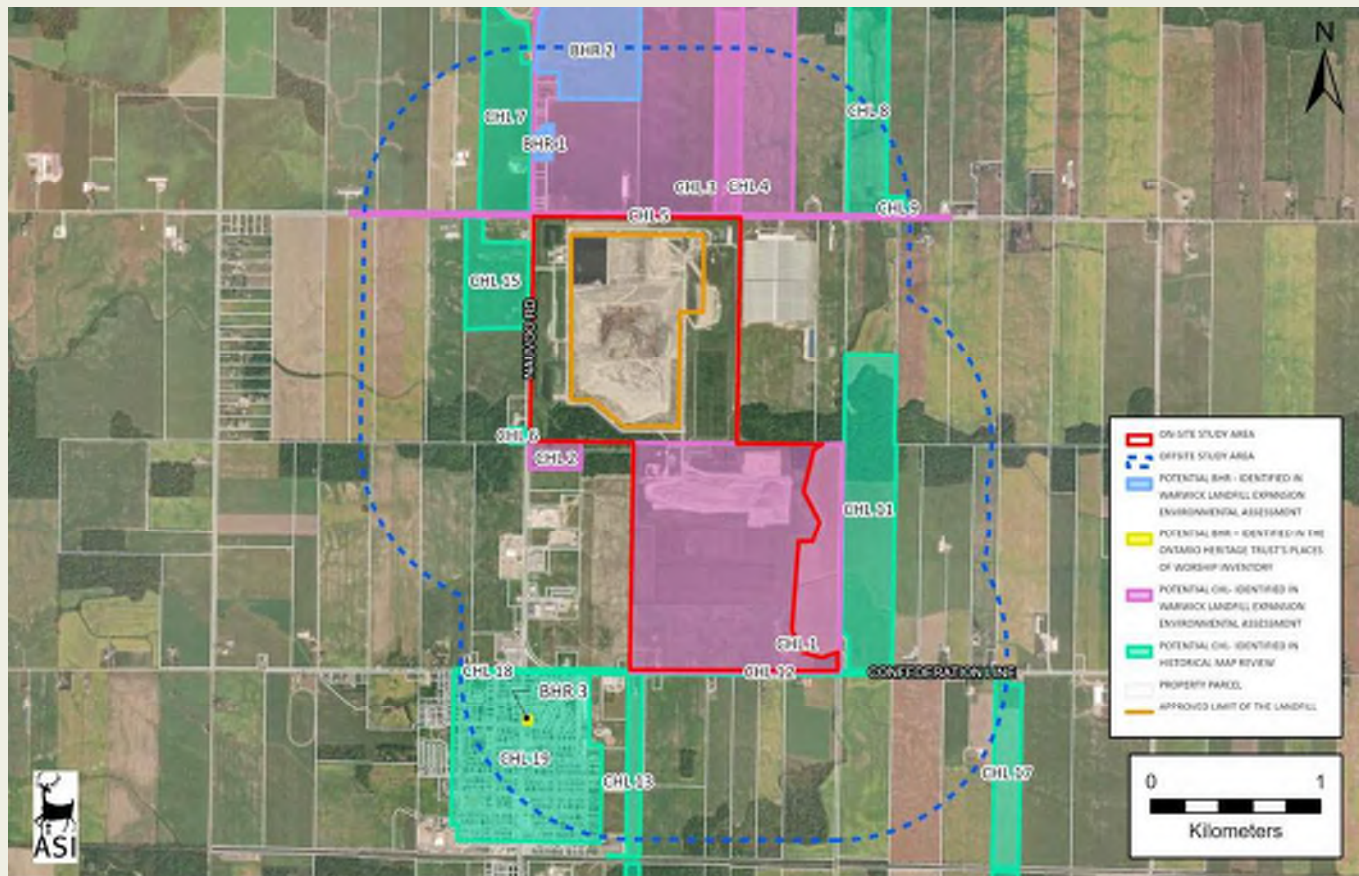
Archaeological Resources Existing Conditions



Cultural Heritage Resources Effects Assessment

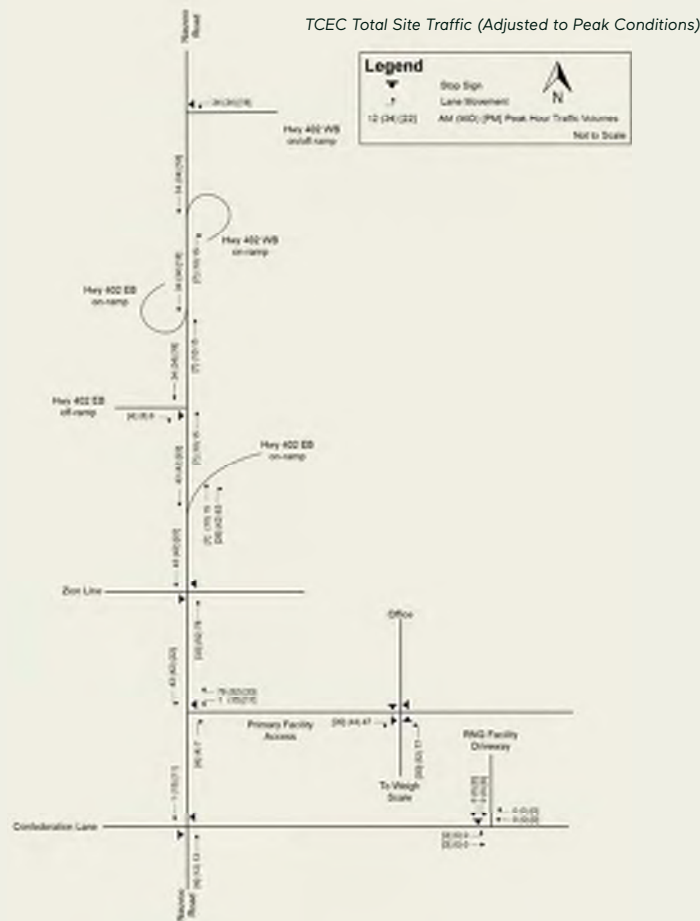
Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Proximity of known or potential cultural heritage resources to the landfill (known/potential built heritage resources and cultural heritage landscapes): <i>Direct Impacts</i>	Sources: - Direct impacts may include: the destruction of any, or part of any, significant heritage attributes or features; and alteration that is not sympathetic, or is incompatible, with the historic fabric and appearance. Mitigation: - The landfill expansion will occur within the existing approved Expansion Landfill footprint. No net effects. No direct net effects to the heritage attributes of identified Built Heritage Resources (BHRs) and Cultural Heritage Landscapes (CHLs). CHL 1 has already undergone considerable alterations and is no longer representative of the historical agricultural use.		
Proximity of known or potential cultural heritage resources to the landfill (known/potential built heritage resources and cultural heritage landscapes): <i>Indirect Impacts</i>	Sources: - Indirect impacts may include: shadows created that alter the appearance of a heritage attribute or change the viability of a natural feature or plantings, such as a garden; and isolation of a heritage attribute from its surrounding environment, context or a significant relationship; direct or indirect obstruction of significant views or vistas within, from, or of built and natural features; a change in land use such as rezoning to allow new development or site alteration to fill in the formerly open spaces; and land disturbances such as a change in grade that alters soils, and drainage patterns that adversely affect a resource. Mitigation: - None required. No net effects. Indirect impacts to CHL 5 (Zion Line) include changes to the views over agricultural fields from the roadway; however, these indirect impacts are not anticipated to adversely affect the heritage attributes of the CHL.		

Study Areas for Cultural Heritage Resources



Transportation Effects Assessment

Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Change in peak hour and daily truck traffic volume and Average Annual Daily Traffic (AADT) along the Off-site Study Area road segments	No net effects. - The TCEC site traffic will not change under 2032 and 2043 future conditions and thus will have no additional effect to the surrounding transportation network traffic volumes. - The growth of traffic volume within the Off-site Study Area is attributed to background growth and background developments.		
Intersection performance for the Off-site Study Area intersections	No net effects. - Compared with background conditions, total traffic operations demonstrate that there will be minimal impacts to operations as a result of site traffic during the weekday AM, mid-day, and PM peak hours. - There are nominal increases to the volume to capacity ratios, however, these increases are small, and all movements are expected to continue operating within acceptable thresholds. - TCEC site traffic is anticipated to have a negligible impact on queues at all Off-site Study Area intersections except at the TCEC site entrance. Inbound queues are expected to be accommodated within the site, and southbound left-turn queues are expected to remain within the available storage even under peak conditions.		
Road safety - Collisions per million vehicles at all Off-site Study Area intersections (severity, involving pedestrians, cyclists, autos, trucks, school buses, and agricultural vehicles) - Collisions per million vehicle-km along all Off-site Study Area road segments (severity, involving pedestrians, cyclists, autos, trucks, school buses, and agricultural vehicles) - Collisions by environmental conditions for segments and intersections	No net effects. - Collision rates are not expected to change as a result of the TCEC site optimization, compared with existing conditions. - No relationship identified between truck traffic generated by the TCEC and collisions occurring within the Off-site Study Area. - Background traffic volumes are expected to increase, which may affect collision rates, but this is not expected to be related to the TCEC optimization.		
Sight distance at the primary 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 adequate and there are no apparent concerns with the driveway function, and this will remain the same under future conditions.		



TCEC Driveway at Nauvoo Road Looking North



TCEC Driveway at Nauvoo Road Looking South



Land Use Effects Assessment

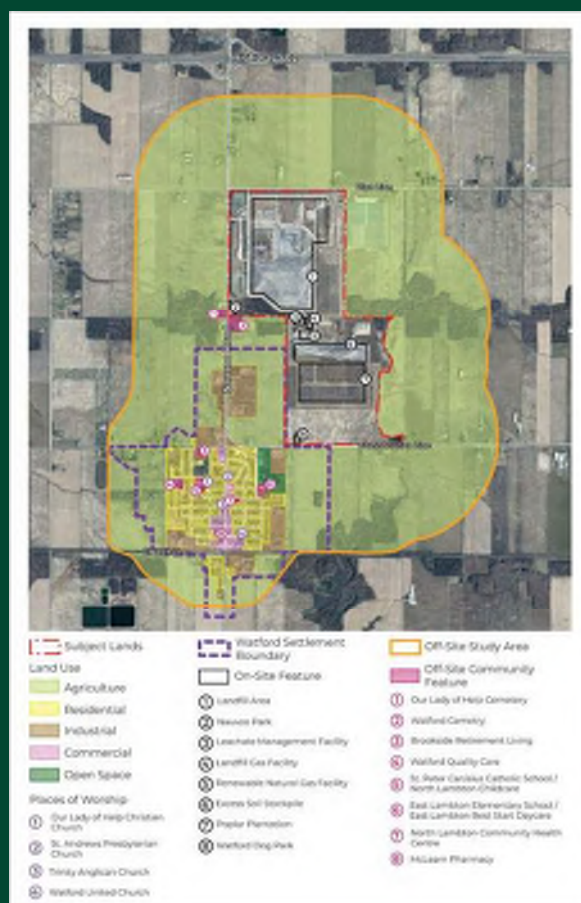
Sources

- Land uses within 500 m of a landfill fill area are subject to consultation with the Province before a *Planning Act* approval is granted.
- The Ministry of Environment, Conservation and Parks (MECP) considers the most significant contaminant discharges and visual problems to be normally within 500 m of the perimeter of a landfill fill area.

Mitigation

- TCEC footprint will not change, so existing setback distances between the landfill and residences will be maintained.
- Proactive nuisance controls will continue to be employed by WM to minimize nuisance effects related to odour, litter, dust, noise, and birds on the surrounding environment.

Indicator	Alternative Method 1	Alternative Method 2	Alternative Method 3
Current land use	No significant net effects anticipated between the TCEC operation and any current land uses; setback distances are maintained. Legally established existing land uses (considered sensitive) within 500 m of the landfill site are permitted to exist (pursuant to Section 34(9) of the <i>Planning Act</i>) No net effects anticipated with respect to nuisance effects associated with the TCEC operation with employed nuisance controls.		
Planned land use	No significant net effects anticipated between the TCEC operation and any planned land uses; setback distances are maintained. No net effects anticipated with respect to nuisance effects associated with the TCEC operation with employed nuisance controls.		
Type(s) and proximity of off-site recreational resources within 1 km of a landfill footprint potentially affected	No significant net effects anticipated between the TCEC operation and any off-site recreational resources; setback distances are maintained. Legally established existing off-site recreational resources (considered sensitive) within 500 m of the landfill site are permitted to exist (pursuant to Section 34(9) of the <i>Planning Act</i>) No net effects anticipated with respect to nuisance effects associated with the TCEC operation with employed nuisance controls.		
Type(s) and proximity of off-site sensitive land uses as defined by the Provincial Policy Statement and the MECP D-1 Guidelines within 1 km of a landfill footprint potentially affected	No significant net effects anticipated between the TCEC operation and any sensitive land use; setback distances are maintained. Existing sensitive land use (considered sensitive) within 500 m of the landfill site are permitted to exist (pursuant to Section 34(9) of the <i>Planning Act</i>) No net effects anticipated with respect to nuisance effects associated with the TCEC operation with employed nuisance controls.		
Type(s) and proximity of agricultural land use/operations	No significant net effects anticipated between the TCEC operation and any existing and operating agricultural land use; setback distances are maintained. Legally established existing operating agricultural land uses within 500 m of the landfill site are permitted to exist (pursuant to Section 34(9) of the <i>Planning Act</i>) No net effects anticipated with respect to nuisance effects associated with the TCEC operation with employed nuisance controls.		



Existing On-site and Off-site Land Uses



Comparative Evaluation of Alternative Methods

Environmental Aspect/Component	Evaluation Criteria	Alternative Method 1	Alternative Method 2	Alternative Method 3
Natural Environment				
Atmospheric Environment	Alternative Method 1 is not preferred			
	Air Quality	No substantial difference	No substantial difference	No substantial difference
	Odour	No substantial difference	No substantial difference	No substantial difference
	Noise	✗ Not Preferred. Alternative Method 1 may have greater potential offsite noise impacts as landfill operations will be nearer PORs.	No substantial difference	No substantial difference
Geology & Hydrogeology				
	No substantial difference			
	Groundwater Quality	No substantial difference	No substantial difference	No substantial difference
	Groundwater Quantity	No substantial difference	No substantial difference	No substantial difference
Surface Water Environment				
	Alternative Method 2 is preferred			
	Surface Water Quality	No substantial difference	No substantial difference	No substantial difference
	Surface Water Quantity	✗ Not Preferred	✓ Preferred Lowest peaking elevation when compared to other alternatives.	✗ Not Preferred
Ecological Environment				
	No substantial difference			
	Terrestrial Ecosystems	No substantial difference	No substantial difference	No substantial difference
	Aquatic Ecosystems	No substantial difference	No substantial difference	No substantial difference
Socio-Economic Environment				
Economic Environment				
	No substantial difference			
	Economic Effects on/Benefits to Local Community	No substantial difference	No substantial difference	No substantial difference
Social Environment				
	Alternative Method 2 is preferred			
	Effects on Local Community	✗ Not Preferred	✓ Preferred Alternative Method 2 will result in lower visual impact.	✗ Not Preferred
	Visual Impact of Facility	✗ Not Preferred	✓ Preferred Alternative Method 2 is preferred over Alternative Methods 1 and 3 for since the CEV for the six viewpoints is lower than the CEV for Alternative Methods 1 and 3.	✗ Not Preferred
Human Health				
	No substantial difference			
	Human Health	No substantial difference	No substantial difference	No substantial difference
Cultural Environment				
Cultural Environment				
	No substantial difference			
	Cultural Heritage Resources	No substantial difference	No substantial difference	No substantial difference
	Archaeological Resources	No substantial difference	No substantial difference	No substantial difference
Built Environment				
Transportation				
	No substantial difference			
	Transportation	No substantial difference	No substantial difference	No substantial difference
Current and Planned Future Land Use				
	No substantial difference			
	Land Use	No substantial difference	No substantial difference	No substantial difference

Alternative Method 2 is identified as the Preferred Alternative.

Consultation and Engagement

Public consultation and engagement to be conducted throughout the EA process will involve the local community, applicable agencies, Indigenous communities, and other interested and/or affected stakeholders.

Consultation and engagement will include:

- Notifications by direct mail, mail drop, email, newspapers (digital and/or print), and via the project website at key milestones during the EA process
- Public Information Sessions
 1. Project introduction, EA process overview, project milestones, consultation and engagement opportunities (this session)
 2. Description of existing conditions, Alternative Methods, Evaluation Criteria
 3. Results of effects assessment and comparative evaluation, identification of Preferred Alternative
 4. Draft EA Study Report
- Project website
<https://www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project>
- Meetings/Tours
- Draft EA Study Report review
- Final EA Study Report

Key Milestones

Notice of Commencement of EA
Existing Conditions/Alternative Methods
Identification of the Preferred Alternative
Draft EA Study Report review
Submission of the Final EA Study Report to the MECF

How Can You Participate?



Join our project
mailing list



Attend Public Information
Sessions



Provide comments during
or following events



Review documents and
submit comments



Ask questions and become
informed



Email questions to WM and
receive a response within
48 hours



Visit the project website for updates

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



Next Steps

- Information received through this Public Information Session and other comments received will be considered in the EA.
- **Draft Effects Assessment Reports will be available on the Project website for review from December 6, 2024 through January 31, 2025.**
- Notification will be provided for Public Information Session 4 by direct mail, mail drop, email, newspapers (digital and/or print), and via the Project website.
- Public Information Session 4 will focus on the Draft EA 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:

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

Larry Fedec, P.Eng., M.B.A.
Solid Waste Program Lead, Canada
HDR Corporation
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
Phone: 289.695.4696
Email: larry.fedec@hdrinc.com

Thank you for your attendance and comments on the Project.



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Public Comment Form



Public Information Session 3

November 27th, 2024, 4-8 PM

Comment Form

Name: _____

Address: _____

Phone #: _____

Email: _____

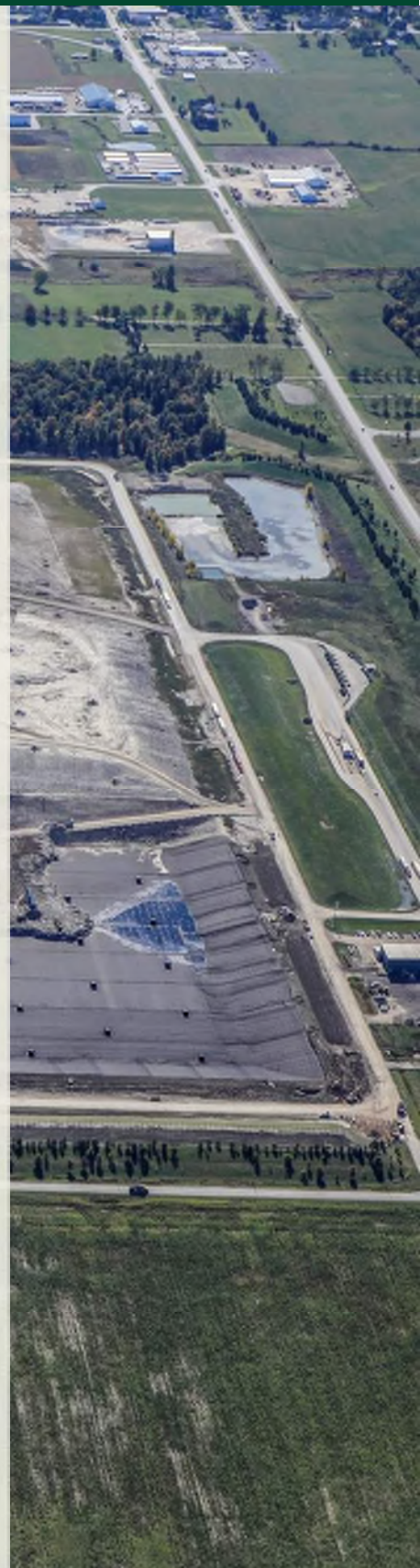
1. My **interest** in the project is: (please check all that apply)

- | | |
|---|---|
| ☐ residential property | ☐ air quality (dust, noise, odour) |
| ☐ business | ☐ ecology (plants, wildlife) |
| ☐ member of interest group | ☐ groundwater / surface water |
| ☐ agency representation | ☐ land use / visual |
| ☐ other: | ☐ 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 Alternative Methods for the project?**

☐ Yes ☐ No



4. Do you have any specific comments or questions about the **assessment of Alternative Methods**?
☐ Yes ☐ No

5. Do you have any specific comments, questions, or recommendations about the **results of the comparative evaluation of Alternative Methods**?
☐ Yes ☐ No

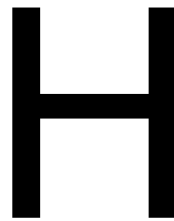
6. Do you have any specific comments or questions about the **Preferred Alternative** identified?
☐ Yes ☐ No

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 13, 2024** to:

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

Larry Fedec, P.Eng., M.B.A.
Solid Waste Program Lead, Canada
HDR Corporation
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
Phone: 289.695.4696
Email: larry.fedec@hdrinc.com

A large, bold, black letter 'H' is positioned to the right of a large green rectangular block. The 'H' is composed of two vertical bars and a horizontal bar connecting them in the middle.

Completed Public
Comment Forms



Twin Creeks Environmental Centre Landfill Optimization Project Environmental Assessment

Public Information Session 3

November 27th, 2024, 4-8 PM

Comment Form

Name:

Address:

Phone #:

Email:

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

- | | |
|---|--|
| ☐ residential property | ☒ air quality (dust, noise, odour) |
| ☐ business | ☐ ecology (plants, wildlife) |
| ☐ member of interest group | ☐ groundwater / surface water |
| ☐ agency representation | ☐ land use / visual |
| ☐ other: <u>SUNLIGHT</u> | ☐ 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 Alternative Methods for the project?**

☐ Yes ☐ No



4. Do you have any specific comments or questions about the **assessment of Alternative Methods**?
☐ Yes ☐ No

HAVE YOU ^{AFFECT} LOOKED INTO THE SHADOW ON OUR FARM
TO THE WEST OF THE SITE. WILL WE LOSE HEAT UNITS?
AFFECTING OUR PROFIT / COMPENSATION

- (FARM ON ZION LOT 17 SER)
5. Do you have any specific comments, questions, or recommendations about the **results of the comparative evaluation of Alternative Methods**?
☐ Yes ☐ No

6. Do you have any specific comments or questions about the **Preferred Alternative** identified?
☐ 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 13, 2024** to:

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Landfill Engineering Manager, Canada Area
WM Canada
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Richmond Hill, ON L4B 1J8
Phone: 289.695.4696
Email: larry.fedec@hdrinc.com



Twin Creeks Environmental Centre Landfill Optimization Project Environmental Assessment

Public Information Session 3

November 27th, 2024, 4-8 PM

Comment Form

Name:

Address:

Phone #:

Email:

* Please Contact for consult/engagement

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

- | | |
|---|---|
| ☐ residential property | ☐ air quality (dust, noise, odour) |
| ☐ business | ☐ ecology (plants, wildlife) |
| ☐ member of interest group | ☐ groundwater / surface water |
| ☐ agency representation | ☐ land use / visual |
| ☒ other: | ☐ transportation |

2. Please provide any **general comments** about the information presented at this Public Information Session.

None at this time

3. After reviewing the information presented, do you have any comments or questions regarding the **conceptual design of the Alternative Methods for the project?**

☐ Yes ☒ No

4. Do you have any specific comments or questions about the **assessment of Alternative Methods**?
☐ Yes ☒ No

5. Do you have any specific comments, questions, or recommendations about the **results of the comparative evaluation of Alternative Methods**?
☐ Yes ☒ No

6. Do you have any specific comments or questions about the **Preferred Alternative** identified?
☐ Yes ☒ No

Requesting engagement @ Anishinabe FN

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 13, 2024** to:

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WM Canada
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Public Information Session 3

November 27th, 2024, 4-8 PM

Comment Form

Name: _____

Address: _____

Phone #: _____

Email: _____

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

- | | |
|---|---|
| ☐ residential property | ☐ air quality (dust, noise, odour) |
| ☐ business | ☐ ecology (plants, wildlife) |
| ☐ member of interest group | ☐ groundwater / surface water |
| ☐ agency representation | ☐ land use / visual |
| ☐ other: | ☐ transportation |

2. Please provide any **general comments** about the information presented at this Public Information Session.

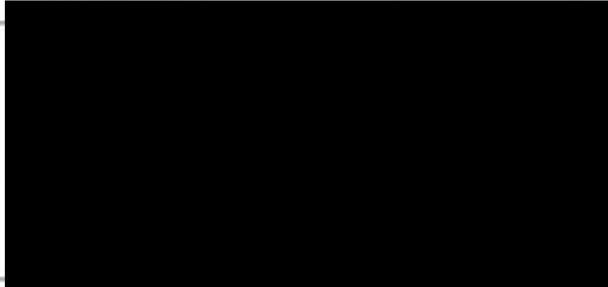
3. After reviewing the information presented, do you have any comments or questions regarding the **conceptual design of the Alternative Methods for the project?**

☐ Yes ☐ No



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

☐ Yes ☐ No

 *Litter / odor*

5. Do you have any specific comments, questions, or recommendations about the **results of the comparative evaluation of Alternative Methods**?

☐ Yes ☐ No

6. Do you have any specific comments or questions about the **Preferred Alternative** identified?

☐ 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 13, 2024** to:

Wayne Jenken
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5768 Nauvoo Road
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Larry Fedec, P.Eng., M.B.A.
Solid Waste Program Lead, Canada
HDR Corporation
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
Phone: 289.695.4696
Email: larry.fedec@hdrinc.com

From:**Sent:** Friday, December 6, 2024 9:26 AM**To:** Fedec, Larry <larry.fedec@hdrinc.com>; Jenken, Wayne <wjjenken@wm.com>**Subject:** Public Information Session 3 November 27th, 2024, 4-8 PM Comment Form

We are having issues with the comment form please accept this email as comments to be added.

If you could confirm receipt that would be appreciated

Surface water

We are concerned about amount of surface water that is now flowing on to the Jariott property since the new road and ditches that have been put in and appears to now channelling water to the pipe indicated in the pictures.

We are concerned about two items related to surface water

1. Current farming operation with leaching and flooding
2. We have an ongoing activity related to the development of the land as it is zoned commercial / industrial and the potential impact to property value or if it becomes an issue to development or potential business.

Visual

Per the plan reviewed at the meeting on Nov 27th it indicated a berm along Confederation on Waste Management property. Would like to understand why the plan does not include a berm along the jariott property.

We want to ensure the plan includes a berm along the jariott property

1. We have an ongoing activity related to the development of the land as it is zoned commercial / industrial and the potential impact to property value or if it becomes an issue to development or potential business.

As a note the zoning is part of Warwick and Lambton County plan.

The lands north of Confederation Line fronting onto County Road 79 are zoned a mix of 'Industrial' and 'Mixed Commercial/Industrial'. The lands south of Confederation Line within Watford are primarily zoned 'Residential 1', with some properties zoned 'Residential 3' and '5', 'Institutional', 'Open Space 1' and '2', 'Mixed Commercial/ Industrial'











Email:

File:wm



Public Information Session 4 Summary Report

Twin Creeks Environmental Centre Landfill
Optimization Project Environmental Assessment

WM Canada

Watford, Ontario

January 2026

Prepared by:

HDR Corporation
100 York Blvd., Suite 300
Richmond Hill, ON K4B 1J8



Contents

1	Background	1
2	Overview of Public Information Session 4.....	2
3	Notifications.....	2
	3.1 Public and Agency Notification	2
	3.2 Indigenous Community Notification	2
4	Venue and Attendance.....	3
5	Information Presented	4
6	Summary of Comments/Issues.....	5

Appendices

Appendix A	Notice of Public Information Session 4
Appendix B	Public and Agency Mailing List
Appendix C	Newspaper Advertisements
Appendix D	Indigenous Community Mailing List
Appendix E	Completed Sign-In Sheet
Appendix F	Public Information Session Content
Appendix G	Public Comment Form

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, noting 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

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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										omafr.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 8M5			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 8M5			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		saifullah.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.baileyc@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	Thiffeault	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-0801	519-845-3160	stephane.thiffeault@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	Sittington	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		info@lkdsb.net 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	Ciccone	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 Samia Observer			Samia	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								
Christine	Shea				Watford	ON			
Mike	Snow				Watford	ON			
Kathy	Soetemans				Warwick Town	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				Warwick	ON			
Jeremy	Van Haaren	All Season Excavating			Watford	ON			
Mike	Van Kessel				Warwick Twp	ON			
Larry	Van Lieshout				Watford	ON			
Chris	Van Loon				Watford	ON			
Dave	Vanos				Warwick Town	ON			
John	Veeke				Arkona	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							
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			Tilsonburg	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	Garrod Pickfield LLP		Peter	Pickfield			Guelph	ON				
WPLC/TRT	Citizens Environmental Consulting		Wif	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				

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Newspaper Advertisements

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 firefighters 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 is 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, York 1's website lists three job opportunities in Dresden including an excavator operator, a traffic control safe 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. York 1 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 an 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 York 1 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, Larissa Wiler, spokesperson for York 1, 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."

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.

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**

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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.

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- 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:

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Landfill Engineering
Manager, Canada Area
WM Canada
3768 Highway 104
Watford, ON N0M 2S0
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wayne.jenkins@wm.com

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larry.feder@hdrinc.com

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November 19, 2025 to January 30, 2026

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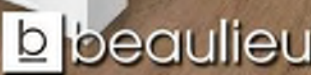




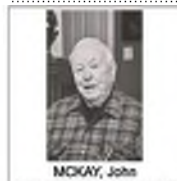
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Sarnia**

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Obituaries



McKay, John

John (Jack) McKay passed away on November 5, 2025, surrounded by his wife Marilyn, just a couple weeks after she died. They were best friends, sharing many years and memories who wanted nothing more than to be together, always beginning his years as a childhood cottage friends, Jack and Mary love to go to a 67-year marriage, three loving children, and countless traveling adventures. Jack's technique and witless earned the hearts of all who knew him. He enjoyed teaching high school in Preston and Crest, sailing near Seattle in Bismarck. He was active in Santa's Kitchen, a volunteer for numerous organizations in the community he will be deeply missed by daughter Brynne McKay (husband) grandchildren Lacey and Kaitlyn, son Scott and his wife Theresa McKay, grandchildren Lauren and Ian. Jack was predeceased by daughter Lenise (deceased) and his son-in-law Rob Hamer. A funeral service will be held at the O.J. Robb Funeral Home & Cremation Centre (702 N. Victoria St., Santa, ON N7T 5P9) on Saturday, November 8, 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://www.ojrobbfuneralhome.com/obituary/2025/11/05/4456-9675-santa-702-052>.

McKinnon, Carolyn Lucille
Peacefully surrounded by loving family on Sunday, October 26, 2025, at Eastern Health, Carolyn Lucille McKinnon passed away at the age of 78. Beloved wife of Ken McKinnon. Loving mother of Craig McKinnon and Corey McKinnon. Carolyn (McKinnon) was predeceased by her parents John and George McKinnon. Carolyn will be greatly missed by the London Road West United Church community. Celebration 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 London Home Stores). Arrangements entrusted to Scott Funeral Home, 1576 London LpR, Santa, Ontario and condolences may be sent online at: www.ashleyfuneralhome.ca



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

Obituaries

RAMESAY, Gladys May (Nee Clendenning)
of Huntsville (formerly London and Santa).

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

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

Dear mother of Stephen (Dennis) and the late Joyce.

Charished grandmother to Lon (Laurie), Tara (Stephen), Leanne (Laurie) and Vanessa (Ken).

Her much loved great-grandchildren: Birrell, Gavriel, Garrett and Kait.

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 given to us every day.

In honour of Gladys' wishes, arrangements have been entrusted to the Oubinsky Funeral Home - Moore Chapel, 6 Paget Street in, Santa.

If desired, donations to ShareWell Global could be appreciated by the family.

In Memoriam

In Loving Memory Of Liz Ann Kelly
May 26, 1955 - Nov 6, 2025
In loving memory. Missed and loved each and every day.
From Jeff, Tanja, Mark and families.

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NOTICED

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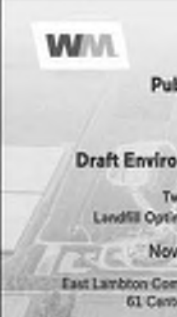
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Classifieds

Public Notices



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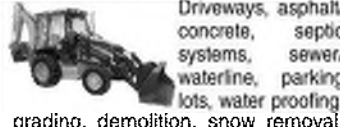
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DRIVING

RENITA NARAIINE

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-rows 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 NARAIINE

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 Hyundais 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 \$3,000 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 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.

COMPARING 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-roady 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 I4 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.

UPDATED TECHNOLOGY

One of the cooler features in the XRT Pro is just a simple blind spot warning, but what makes this one cool is that it's on each of the passenger doors, ensuring your rear passengers don't accidentally hit something/someone that happens to be driving or pedalling by. It's the least an auto manufacturer could do, short of sliding doors. And of course, I've always loved the camera view pop-up on the digital dash that shows the blind spot when you signal left or right. What's more, there's a heated steering wheel, as well as heated and ventilated seats for the front passengers and even heated seats for the second row. Again, this is all before

we've hit the mid-trim levels in the lineup.

I've always found Hyundai's infotainment screen to be fairly intuitive and easy to use and here, you can wirelessly connect to Apple CarPlay or Android Auto. I love that there's a mix of touch-screen and buttons, but what's most appreciated is the designated space for the climate controls, and climate controls alone.

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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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 Jenkin Landfill Engineering Manager, Canada Area WM Canada 1768 Newton Road, Watford, ON N2M 2S0 514 843 5835 wjenkin@wm.com	Larry Teococ, P.Eng. M.B.A. Senior Consultant KOR Corporation 100 York Blvd., Suite 300, Richmond Hill, ON L4B 1A8 905 895 4095 larry.teococ@korinc.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 12, 2025 to January 30, 2026

www.wm.com/ca/en/26tcs-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

at the Petrolia Legion

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 Auxillary



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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
289.695.4636
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

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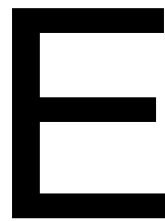
www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project

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Indigenous Community Mailing List

Indigenous Communities/Organizations

Indigenous Community/Organization	Title	First Name	Last Name	Address1	Address 2	City	Province	Postal Code	Phone	Fax	Email
Aamjiwnaang First Nation	Chief	Janelle	Nahmabin			Sarnia	ON	N7T 7H5			
Aamjiwnaang First Nation	Environment Coordinator	Lynn	Rosales			Sarnia	ON	N7T 7H5			
Walpole Island First Nation – Bkejwanong Territory	Chief	Leela	Thomas			Walpole Island	ON	N8A 4K9			
Walpole Island Heritage Centre Walpole Island First Nation – Bkejwanong Territory	Consultation Manager	Dean	Jacobs			Wallaceburg	ON	N8A 4K9			
Walpole Island Heritage Centre Walpole Island First Nation – Bkejwanong Territory	Community Engagement Programs Officer	Peter	Mayhew			Walpole Island	ON	N8A 4K9			
Caldwell First Nation	Chief	Nikki	van Oirschot			Leamington	ON	N8H 1P5			
Caldwell First Nation	Consultation Coordinator	Jenna	Maidment			Leamington	ON	N8H 1P5			
Caldwell First Nation	Environment & Consultation Department Manager	Zack	Hamm			Leamington	ON	N8H 1P5			
Caldwell First Nation		Melanie	Thomas			Leamington	ON	N8H 1P5			
Chippewas of Kettle and Stony Point First Nation	Chief	Kimberly	Bressette			Kettle Point	ON	N0N 1J1			
Chippewas of Kettle and Stony Point First Nation	Consultation Department (Three Fires)										
Chippewas of the Thames First Nation	Chief	Joe	Miskokomon			Muncey	ON	N0L 1Y0			
Chippewas of the Thames First Nation	Consultation Coordinator	Fallon	Burch			Muncey	ON	N0L 1Y0			
Chippewas of the Thames First Nation	Consultation Analyst	Erna	Leclair			Muncey	ON	N0L 1Y0			
Delaware Nation at Moraviantown	Chief	Justin	Logan			Thamesville	ON	N0P 2K0			
Delaware Nation at Moraviantown	Lands & Resource Consultation Assistant	Cheyenne	Hopkins								
Munsee Delaware Nation	Chief	Roger	Thomas			Muncey	ON	N0L 1Y0			
Oneida Nation of the Thames	Chief	J. Todd	Cornelius			Southwold	ON	N0L 2G0			
Métis Nation of Ontario – Lands, Resources & Consultations Branch	Director - Lands, Resources and Consultations (LRC) Branch										

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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
Mary Lynn M. Metha			
Jessica Anderson			
Brian Goodhill			
Case			
Matt Peline			
LAURA BLAIN			
Dawn Emerson			
Joanie Hamel			
JASON COLE			
Fallon Burch			
Eina Leclair			
LYNN FARIOTT			
RON FARIOTT			
TERRY JARVILL			
Kyle Chisla			
Julie Jariott			
TERRY WESTGATE			
John VanLoon			
Jill VanLoon			
Krista Hill			
Wiolet Caley			



Public Information Session 4

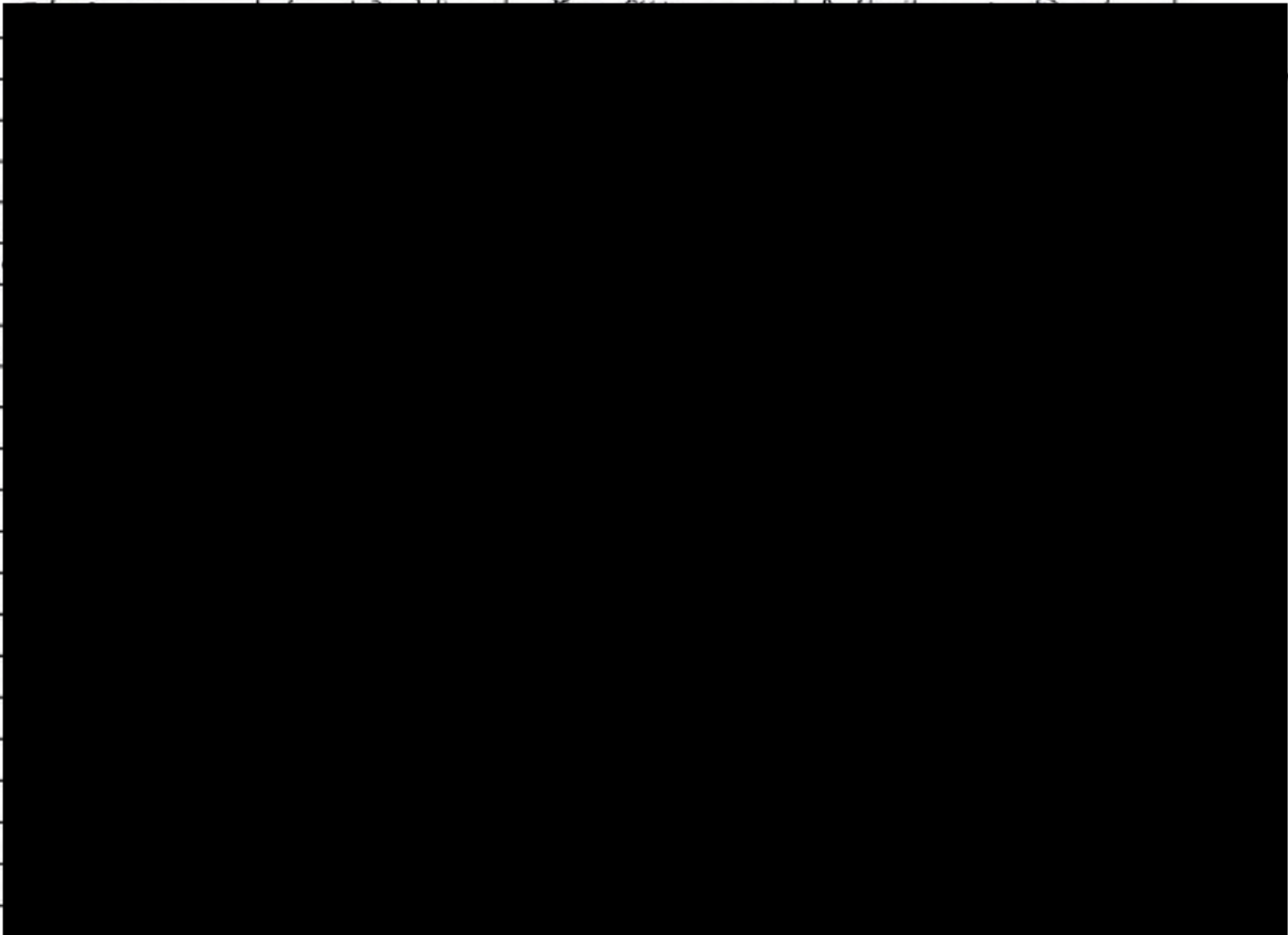
Twin Creeks Environmental Centre Landfill Optimization Project EA
November 19, 2025
East Lambton Community Complex, 61 Centennial Avenue, Watford, ON N0M 2S0

Name	Address	Phone Number	Email
Teresa Janneth			
Ken Co			
Brian & Sandy Sanders			
Wayne Morris			
St. Kille			
Pat Maxwell			
Russ Doreau			
Jeremy Van Haasen			
Lisa Timmers			
Keith Ryan			
Harry Vagheschawit			
MAE PARKER			
SARNOSEFOLD			
Kari Fuller & Jason Fuller			
Jessica Fuller			
Steve Schwind			
Nancy Dessem			
Lyle Hayes			
John O'NEIL			



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
Brenda Fuller			
Don Fuller			
Darcy Fuller			
Deanna Muxlow			
Joe Mayenberg			
Adrian Tommings			
Linda Kindershot			
Brad Roberts			
PAUL LELIVELD			
Joan Bryce			

+ 2 NS

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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

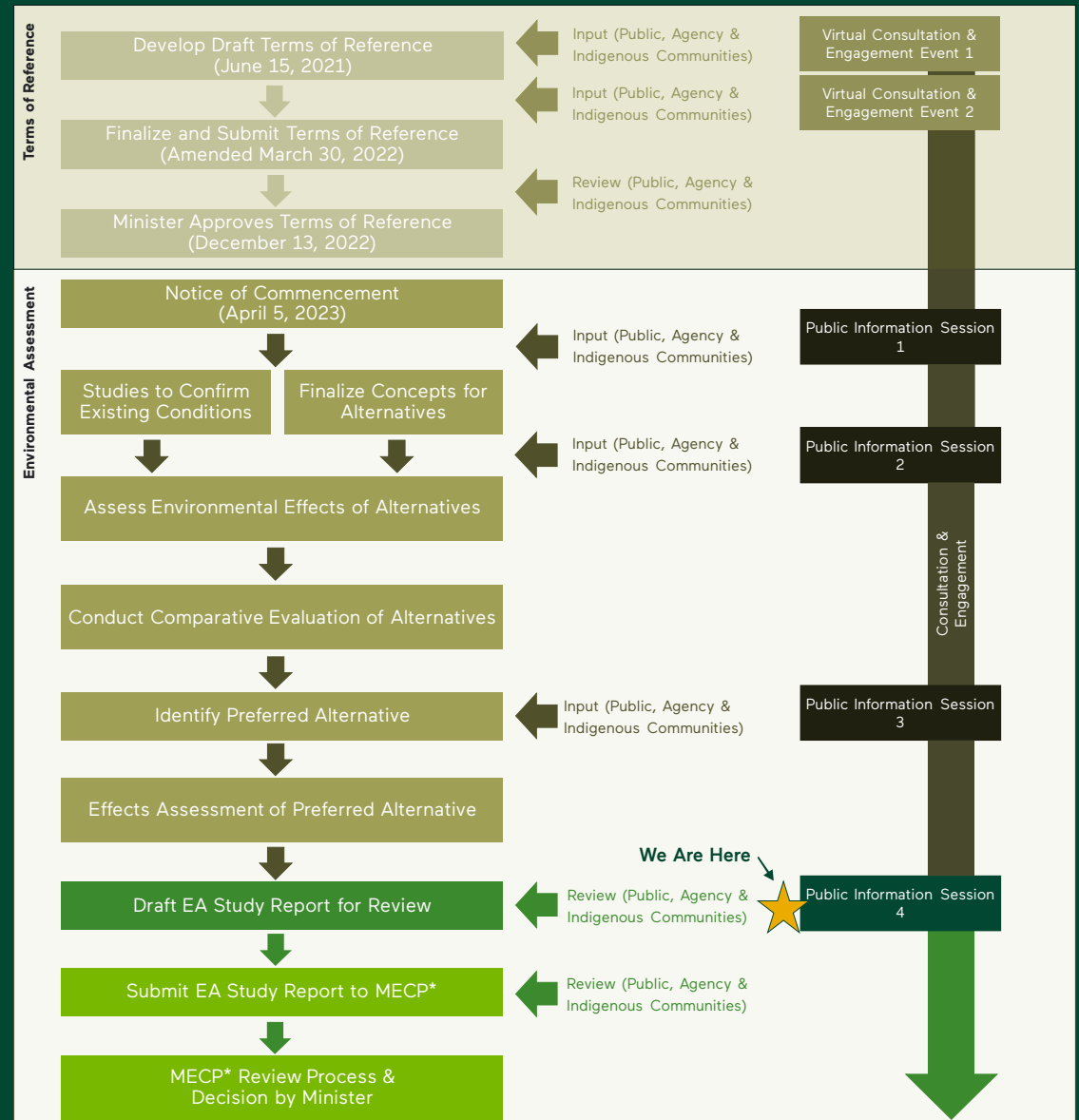
Environmental Assessment Update

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.

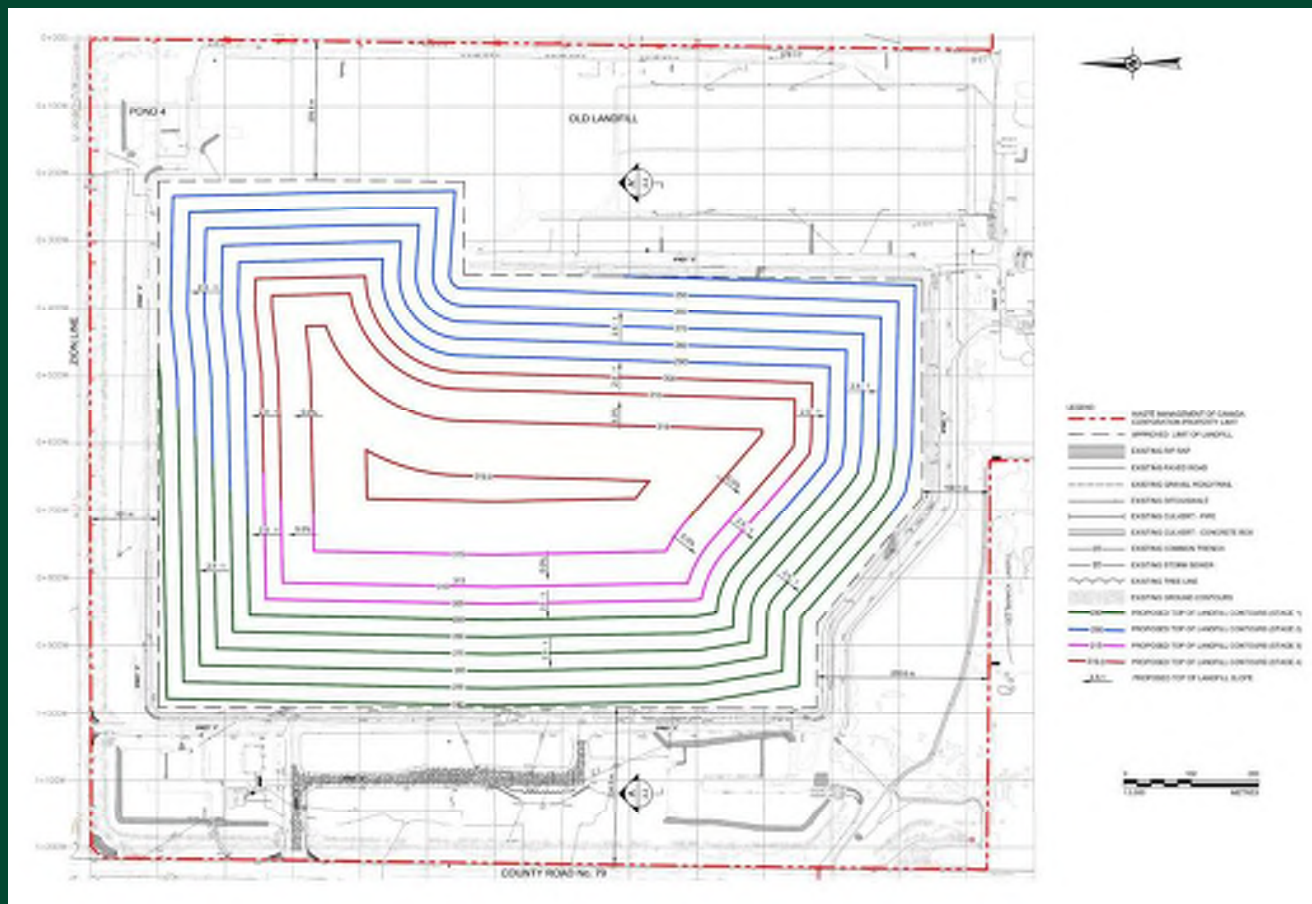
The next step will be to review public input on the Draft EA Study Report and develop the Final EA Study Report.



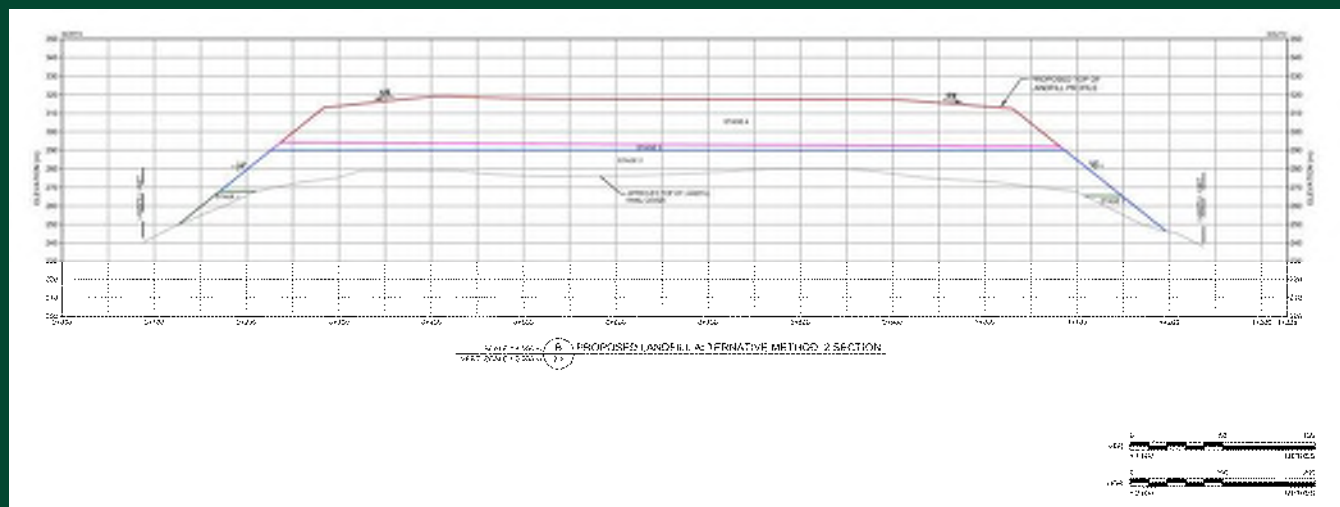
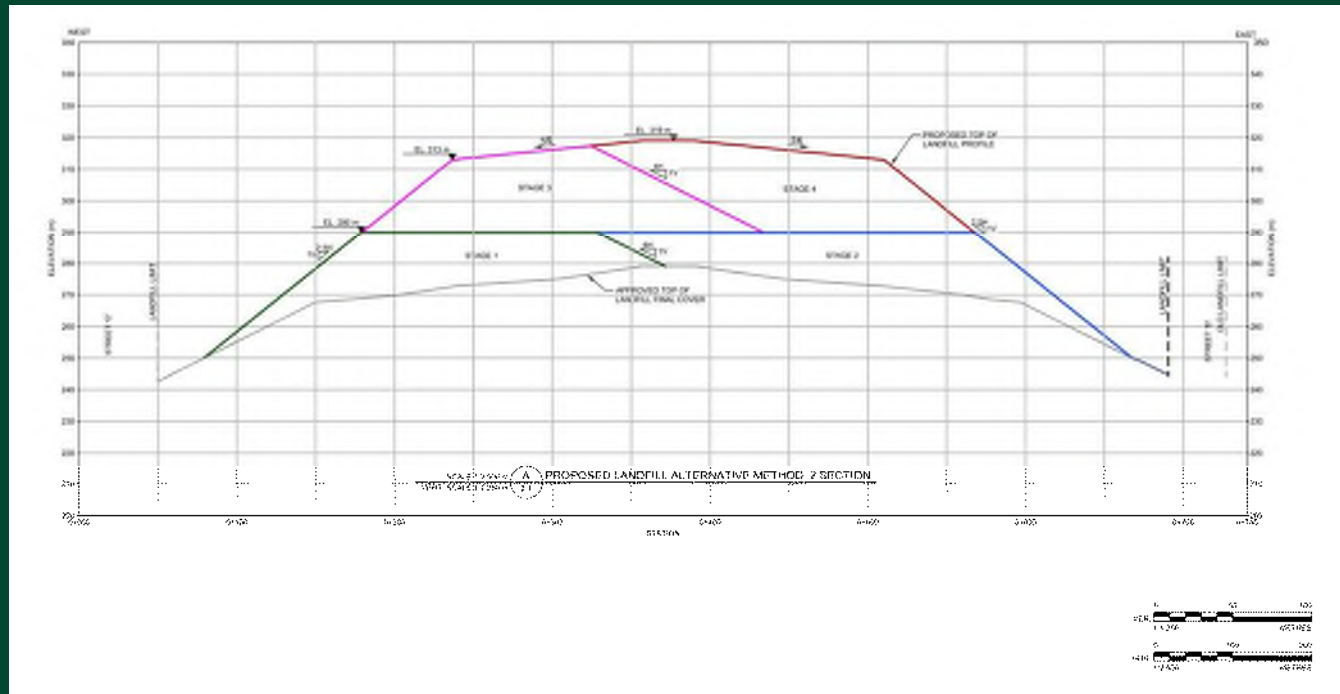
*MECP = Ministry of Environment, Conservation and Parks

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

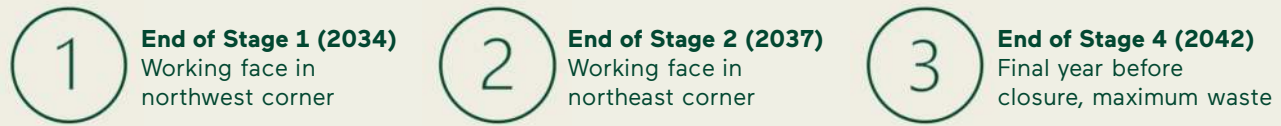


Preferred Alternative – Cross-Sections



Air Quality Effects Assessment

Three Scenarios Assessed



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



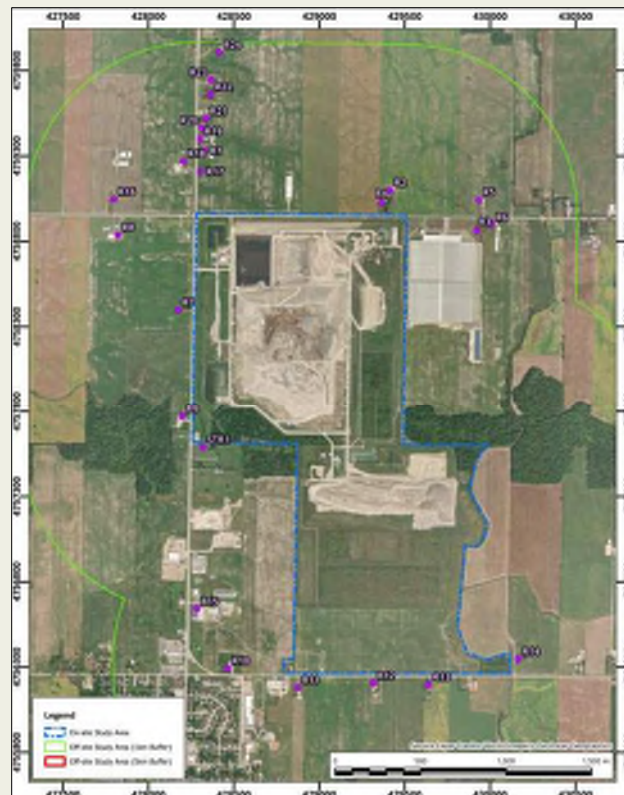
Number of receptors affected across scenarios: 3

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
Receptor Locations

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

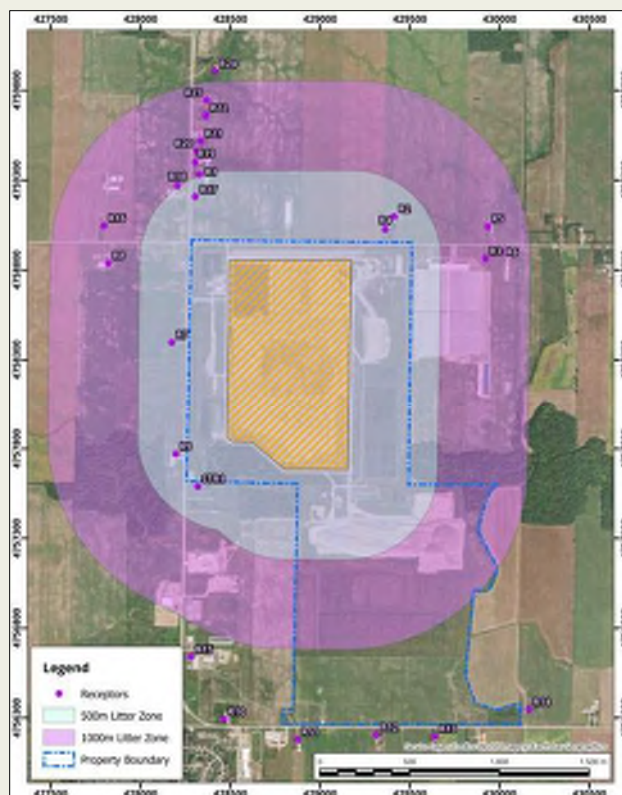


No net effects identified:

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

Mitigation:

- Continued implementation of the Litter BMPP.



Litter Zones

Odour Effects Assessment

Odour Concentration Levels

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

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

1

Detection
Threshold

3

Recognition
Threshold

5

Annoyance
Threshold

Three Scenarios Assessed

1

End of Stage 1 (2034)

Working face in
northwest corner

2

End of Stage 2 (2037)

Working face in
northeast corner

3

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

1

Stage 1

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

2

Stage 2

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

3

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.



Stage 1 and 2 Mitigation Areas

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: ↑ 7%
 - Outlet B: ↓ 4%
 - Outlet C: ↓ 19%
 - Outlet G: ↑ 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: ↑ 3.8%
 - Catchment C1A: ↑ 0.8%
 - Catchment C1B: ↓ 22.4%
 - Catchment G1B: ↓ 12.7%
 - Catchment G3A: ↑ 34.0%
 - Catchment G4A: ↑ 0.9%

Off-site Surface Water Flows



Net effects:

- Increase in peak flows of up to 10%.
 - Outlet A: flow < 1 m³/s → Auld-Redmond Drain
 - Outlet B: flow < 1 m³/s → Gilliland-Geerts Drain
 - Outlet C: flow < 1 m³/s → Auld-Redmond Drain
 - Outlet G: flow < 1.8 m³/s → Gilliland-Geerts Drain



Stormwater Management System – Approved



Stormwater Management System – Preferred Alternative

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.



Minimal net effects on wildlife and wildlife habitat including rare, threatened, or endangered species:

- **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



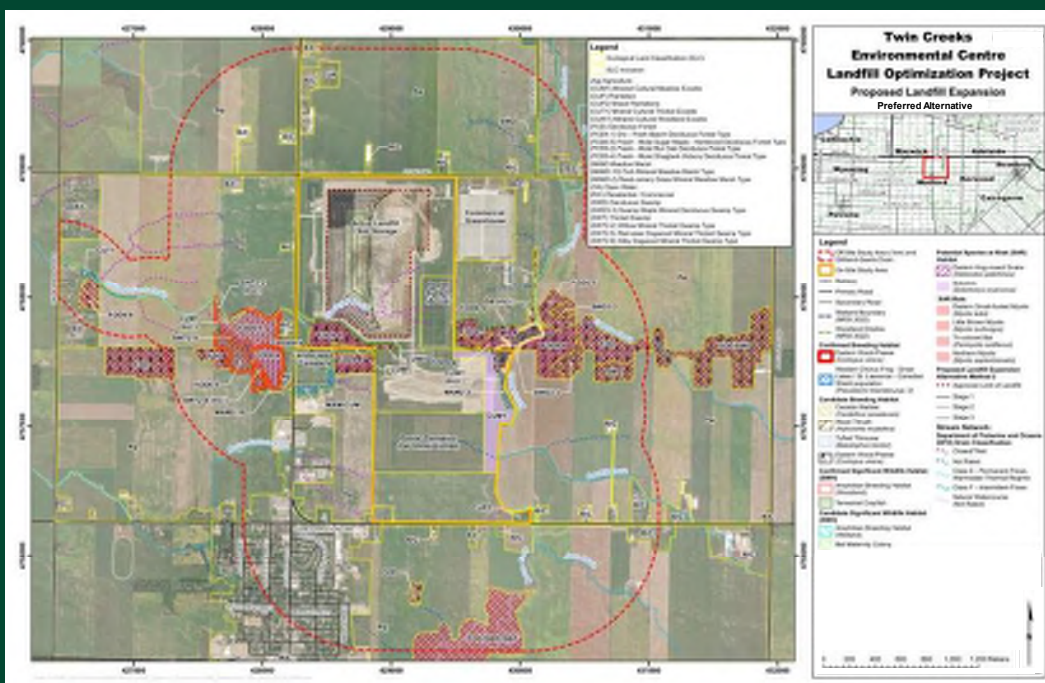
No net effects on aquatic habitat, including fish habitat:

- **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.



No net effects on aquatic biota, including rare, threatened, or endangered species:

- **No direct effects** as no aquatic biota were identified within the approved Expansion Landfill footprint.
- **No indirect effects** as management systems are in place for leachate, landfill gas, and stormwater, and no impacts to downstream aquatic habitat features are anticipated from changes to peak flows leaving the site.



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 (H_2S) increased because the regulatory value (24-hour AAQC) changed from $150 \mu\text{g}/\text{m}^3$ to $7 \mu\text{g}/\text{m}^3$.



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 H_2S 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:

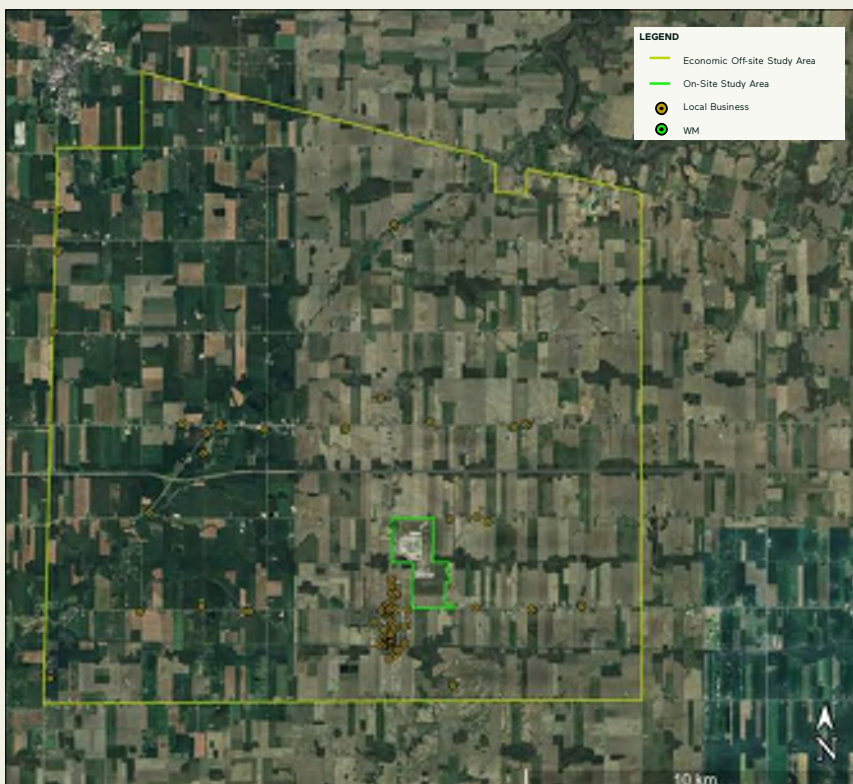
- Host community payments** for the duration of the Preferred Alternative are estimated to amount to **~\$50 million** based on the average annual contributions under the current Host Community Agreement (~\$4.1 million). The host community payments amount to ~24% of the Township's total gross annual 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

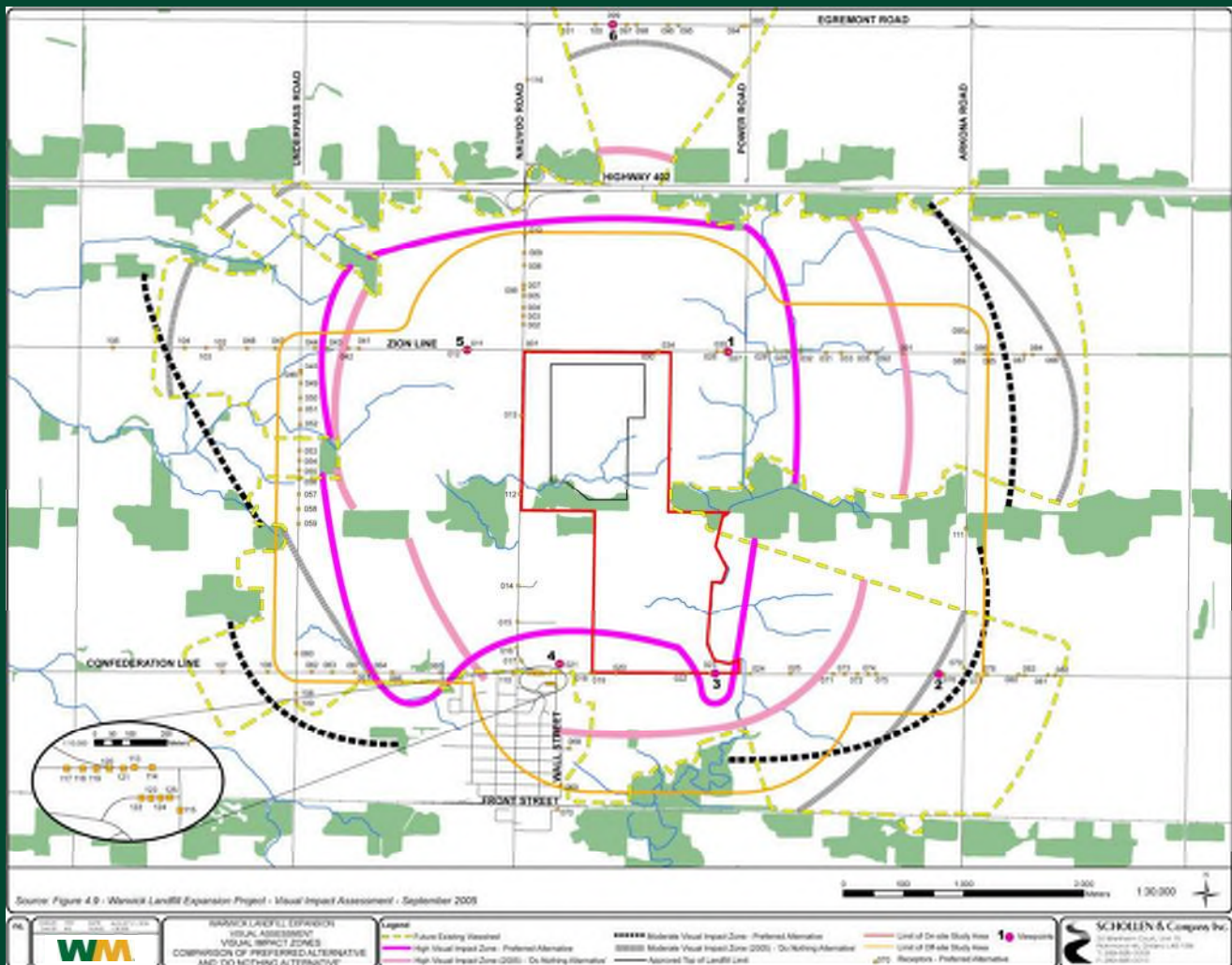


Net effects:

- 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.



Economic Off-site Study Area
(Township of Warwick) and
Local Businesses



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.

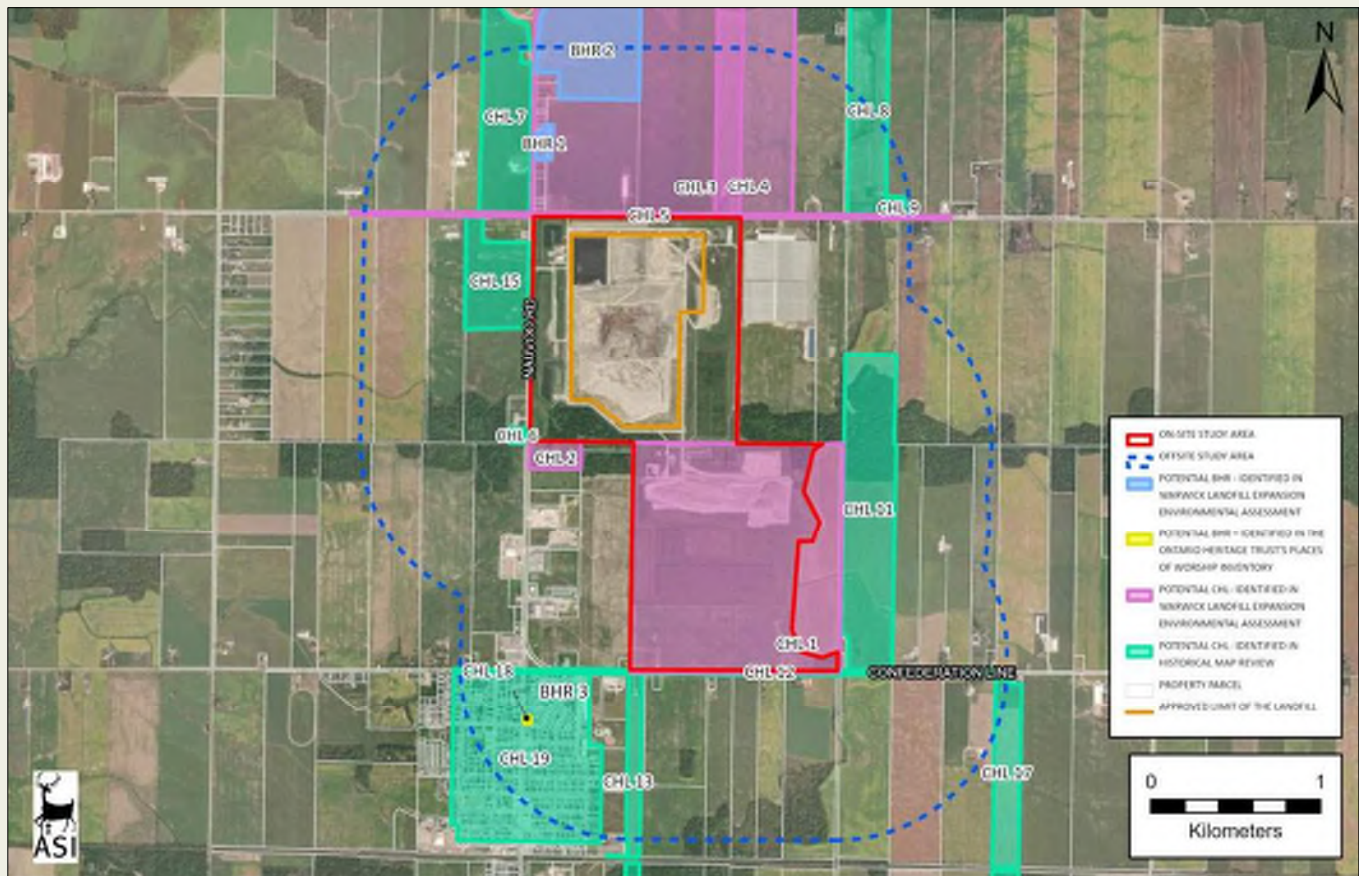
A **Cultural Heritage Landscape (CHL)** is a defined geographical area that may have been modified by human activity and is identified as having cultural heritage value or interest by a community, including an Indigenous community. The area may include features such as buildings, structures, spaces,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

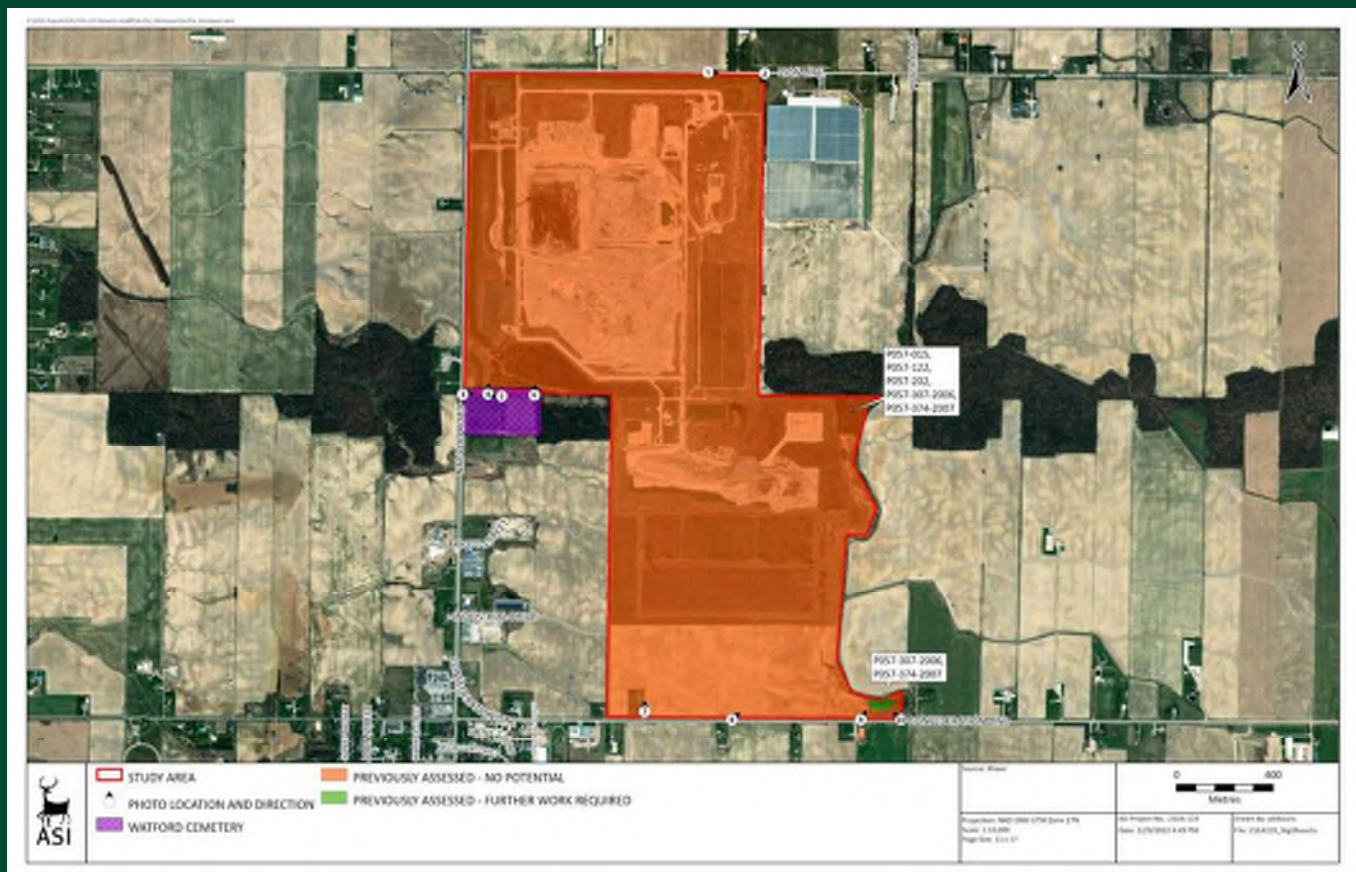


No net effects:

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

Cultural Heritage Resources





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:

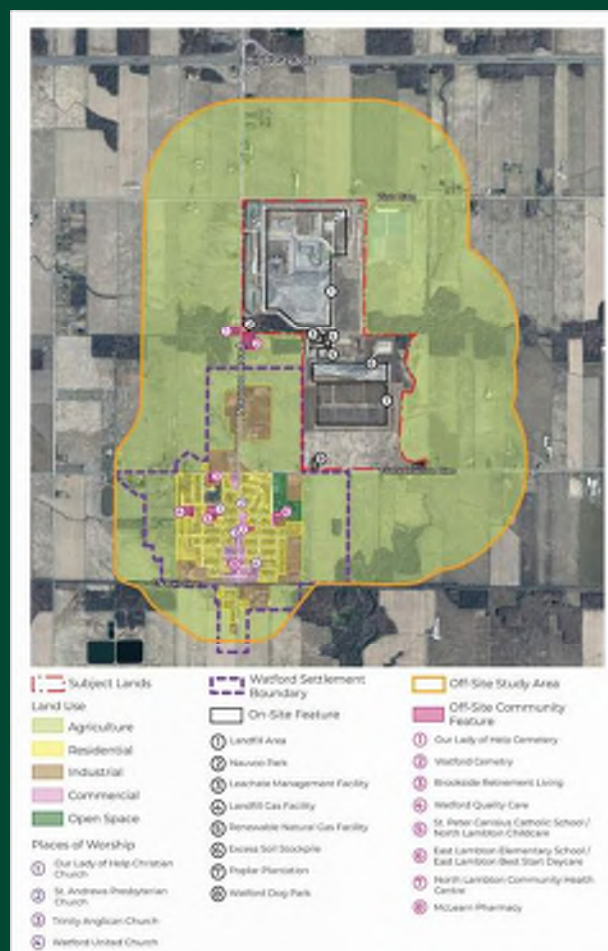
- Setback distances are maintained.
- Legally established existing land uses, existing off-site recreational resources, existing sensitive land uses, and existing agricultural land uses within 500 m of the landfill are permitted (pursuant to the *Planning Act*).

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.**



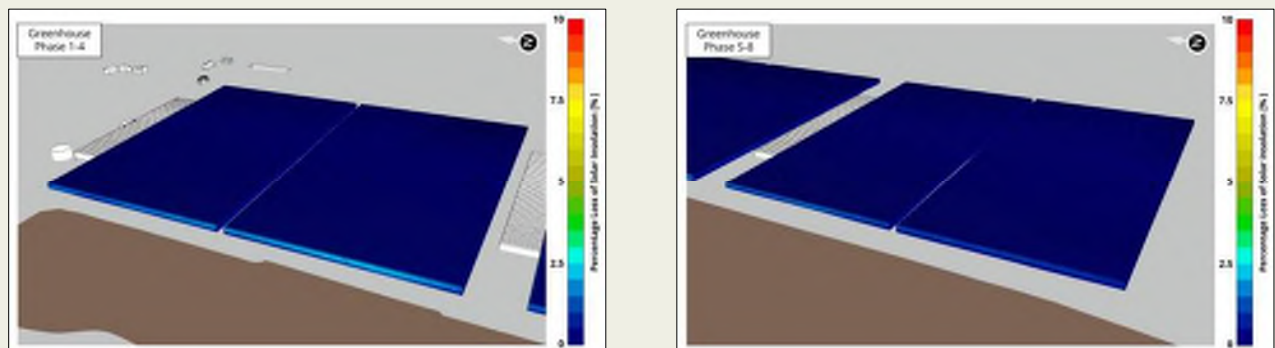
Decrease in total solar energy received over the entire **Phase 1-4 greenhouse** for the Preferred Alternative compared to the approved Expansion Landfill:

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

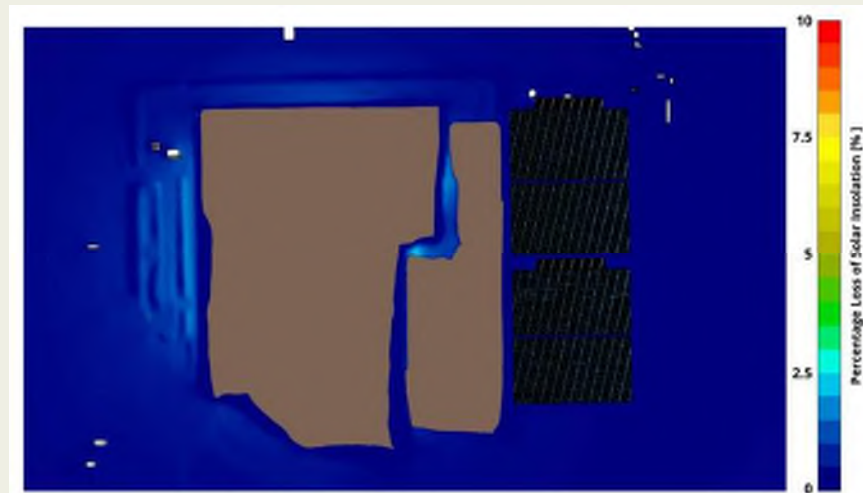
Decrease in total solar energy received over the entire **Phase 5-8 greenhouse** for the Preferred Alternative compared to the approved Expansion Landfill:

- **Maximum 0.04% decrease during any month.**

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

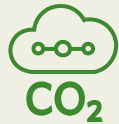


Average Annual Percentage Loss of Solar Insolation – Approved Expansion Landfill vs. Preferred Alternative – At Grade



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**.

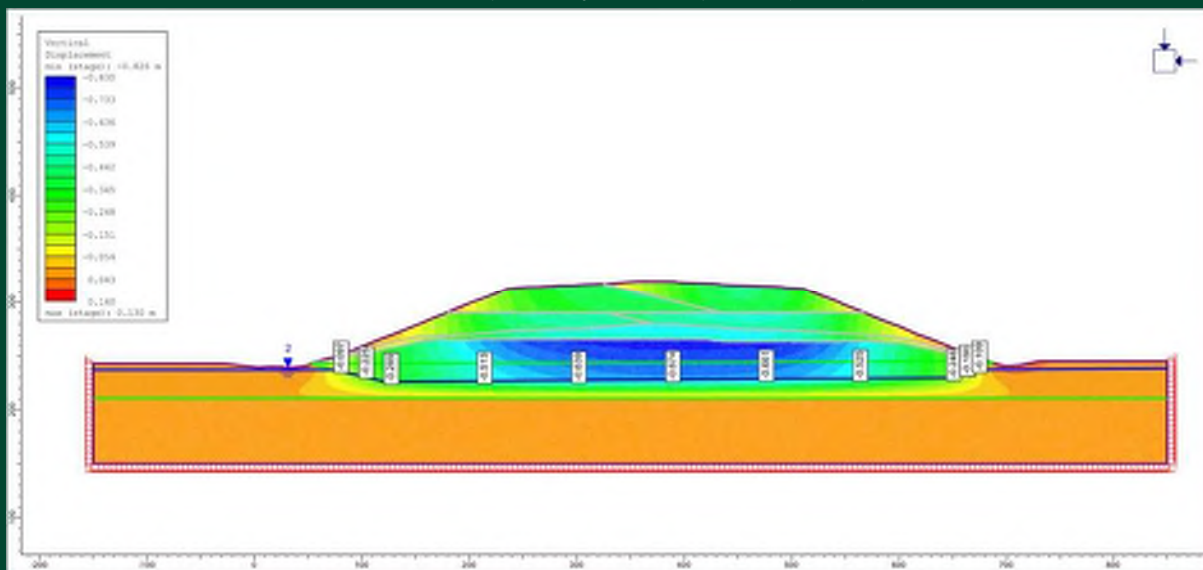
- 1) A **settlement analysis** was conducted to assess if the landfill base grades would meet the 0.5% minimum grade design toward the leachate collection system under the increased waste loading.

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**.

Static Conditions – Final Expansion Stage – Vertical Displacement (12 kN/m³)



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 <i>Ontario Environmental Assessment Act</i> (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.



A large, bold, black letter 'G' that serves as a background element for the title.

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)

- | | |
|---|---|
| ☐ residential property | ☐ air quality (dust, noise, odour) |
| ☐ business | ☐ ecology (plants, wildlife) |
| ☐ member of interest group | ☐ groundwater / surface water |
| ☐ agency representation | ☐ land use / visual |
| ☐ other: | ☐ 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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