



Draft Record of Consultation and Engagement

Twin Creeks Environmental Centre Landfill
Optimization Project

Waste Management of Canada Corporation

Watford, Ontario

June 1, 2021

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Contents

1	Introduction	1
2	Codes of Practice and Consultation Principles	2
3	Participants in the ToR Process	3
4	Consultation Activities during the TCEC ToR Process	4
5	Structure of the Record of Consultation and Engagement	5
5.1	Stakeholder Contact Lists	5
5.2	Project Notices	5
5.3	Virtual Consultation and Engagement Event 1	6
5.4	Project Website, Email and Telephone Number	7
5.5	Township of Warwick	7
5.5.1	Notice of Commencement	7
5.5.2	Delegation to Council	8
5.5.3	Monthly Township Meeting – April 2021	8
5.5.4	Monthly Township Meeting – May 2021	8
5.6	Warwick Public Liaison Committee Meetings	8
5.6.1	WPLC Meeting November 26, 2020	9
5.6.2	WPLC Meeting February 18, 2021	9
5.6.3	WPLC Meeting May 6, 2021	9
5.7	Indigenous Communities Engagement and Communications	9
5.7.1	Walpole Island Heritage Centre Meeting November 17, 2020	10
5.7.2	Walpole Island First Nation Meeting December 15, 2020	10
5.7.3	Walpole Island First Nation Meeting January 26, 2021	10
5.7.4	Walpole Island First Nation Meeting March 16, 2021	11
5.7.5	Chippewas of the Thames First Nation Correspondence	11
5.8	Public Consultation and Communications	11
5.9	Agency, Municipal and Organization Consultation and Communications	11
5.9.1	Conference call with Monte McNaughton, MPP for Lambton-Kent-Middlesex	11
5.9.2	Conference call with Bob Bailey, MPP for Sarnia-Lambton	12
5.9.3	County of Lambton	12
5.9.4	Communication with the Ministry of the Environment, Conservation and Parks	13
5.10	Media Publications	13
6	Comment Response Tables	13

Tables

Table 1.	Structure of the Record of Consultation and Engagement	5
Table 2.	Project Notice Distribution and Publication Dates	6
Table 3.	Summary of Virtual Consultation and Engagement Event 1 for the TCEC Landfill Optimization Project EA ToR	6
Table 4.	Comments and Responses from Township of Warwick Council Meeting on November 16, 2020	7

Table 5. Comments and Responses from the Walpole First Nation Heritage Centre meeting on November 17, 2020	10
Table 6. Comments and Responses from Monte McNaughton call on November 11, 2020.....	12
Table 7. Comments and Responses from Bob Bailey call on November 13, 2020.....	12
Table 8. Comments and Responses from County of Lambton December 17, 2020.....	13

Appendices

Appendix A. Stakeholder Contact List	
Appendix B. Project Notices	
Appendix C. Virtual Consultation and Engagement 1 Summary Report	
Appendix D. Presentations to Municipal Councils	
Appendix E. Indigenous Engagement and Communications	
Appendix F. Public Engagement and Communications	
Appendix G. Agencies Engagement and Communications	
Appendix H. Media Publications	
Appendix I. Comment Response Tables	

1 Introduction

This Record of Consultation and Engagement (Record) describes the consultation and engagement activities undertaken during the development of the Draft Terms of Reference (ToR) for the Waste Management of Canada Corporation (WM) Twin Creeks Environmental Centre Landfill Optimization Project (the Project) Environmental Assessment (EA) and the results of those activities. This document provides a record of all stakeholder consultation and engagement undertaken to-date during the ToR process including consultation and engagement with Indigenous communities, government and municipal agencies, and the public.

The proposed Twin Creeks Environmental Centre (TCEC) landfill optimization could involve a vertical expansion of the landfill within the approved 101.8 ha Expansion Landfill footprint by modifying the side slopes and increasing the elevation of the landfill. This optimization could provide additional airspace of up to approximately 14M m³, which could extend the site life by approximately 12 years (from 2031 to 2043). There would be no change to the current 101.8 ha landfill footprint area, the approved service area, or the annual fill rate.

Section 5.1 of the *Environmental Assessment Act* (EAA) states that consultation with "such persons as may be interested" should take place during the preparation of the ToR. Consequently, a consultation and engagement plan for the ToR was prepared in accordance with 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). The codes of practice and consultation principles are described in **Section 2**. The consultation and engagement plan had three objectives:

- identify and develop good working relationships with all key stakeholders and Indigenous communities;
- manage identified issues in order to minimize risks that could affect study timelines; and
- support and promote the positive environmental sustainability aspects of the Project.

The participants in the ToR process are described in **Section 3**, and the consultation and engagement activities carried out during the preparation of the Draft ToR, along with the results, are summarized in **Section 4**.

In accordance with the MECP's *Code of Practice Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario*, this Record of Consultation and Engagement is provided as a stand-alone document to accompany the Draft ToR for the proposed TCEC Landfill Optimization Project EA when submitted to the MECP for review.

2 Codes of Practice and Consultation Principles

The MECP has produced Code of Practice documents for use when preparing various EA documents. The Draft ToR for the TCEC Landfill Optimization Project EA was prepared using the *Code of Practice Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario*. Similarly, the EA will be prepared using the *Code of Practice Preparing and Reviewing Environmental Assessments in Ontario*. In addition, consultation and engagement was undertaken during the preparation of the Draft ToR in accordance with the *Code of Practice Consultation in Ontario's Environmental Assessment Process*. The Code of Practice documents outline aspects of consultation and engagement that must be adhered to during the preparation of ToR.

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

- Provided opportunities for participation to potentially affected or interested parties that were reasonable and meaningful;
- Took into account input received during the consultation and engagement process by addressing comments and concerns;
- Used a variety of consultation and engagement methods including an Open House, presentations, direct mail/email, and Community Liaison Committee, 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 ToR (which is included as a Supporting Document to the Draft ToR);
- Considered the details of the undertaking and the potential level of concern and interest in the community;
- Provided the mandatory notifications, including the Notice of Commencement;
- Integrated the input from the consultation and engagement into comment and response tables included in this Record of Consultation and Engagement; and
- Responded to concerns by corresponding with individuals by telephone or email, due to limitations related to the COVID-19 pandemic.

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

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

- Engage residents and neighbours within proximity of the proposed undertaking, Indigenous communities, and other stakeholders from the beginning of the process through the use of a variety of consultation and engagement events and activities

including a virtual engagement and consultation event, and to establish that there were adequate opportunities to provide input, feedback, and comments concerning the EA undertaking and process, and that these comments are considered by the project team;

- Engage local elected officials in the development of the ToR, and to confirm that they were provided with regular and timely information concerning the ToR development process;
- Ensure that the consultation and engagement process is open, transparent, and inclusive; and
- Document all issues and concerns identified by the public, Indigenous communities, agencies, and other stakeholders.

Comments and issues raised during the review of the Draft ToR will be documented in the Final ToR along with how they have been considered during the development of the Final ToR.

During the preparation of the Draft ToR, the Province of Ontario was faced with the COVID-19 pandemic, which has required that individuals implement a variety of measures to keep themselves, and all members of their broader community, safe and healthy. These measures included the practice of self-isolation and quarantining based on potential exposure to the virus, and social distancing to limit personal contact and the potential transmission of the virus. Effective March 17, 2020, the Province of Ontario enacted a State of Emergency restricting the ability to conduct in-person or face-to-face meetings and consultation and engagement activities. As a result, subsequent consultation and engagement was carried out through mail, email, teleconference, and via the project website.

3 Participants in the ToR Process

Interested participants included review agencies, Indigenous communities, and the public (see Section 3.0 of the *Code of Practice Consultation in Ontario's Environmental Assessment Process*). Participants were engaged through a number of consultation and engagement activities held during the preparation of the Draft ToR. The activities carried out with review agencies, Indigenous communities, and the public are summarized in **Section 5** of this Record.

Comments received during the preparation of the Draft ToR are summarized in **Section 6**. Comments received during the review of the Draft ToR will be documented in the Final ToR along with how they have been considered in the preparation of the Final ToR.

The participants list was prepared based on agency guidance and recognition of the local community. A copy of the complete participants list 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;

- Municipal agencies and organizations, including the Township of Warwick and County of Lambton;
- Indigenous communities and groups in the vicinity of the Project or with an interest in the Project; and
- General public, including residents, landowners, business owners, and other stakeholders with an interest in the outcome of the EA.

As part of the Notice of Commencement, the GRT, Indigenous communities, and the public were identified as having a potential interest in the Project. 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 Draft ToR upon request. Members of the Warwick Public Liaison Committee (WPLC) were also included on the participants list.

Indigenous communities and organizations were contacted during the development of the Draft ToR. The MECP provided a list of communities that may be affected by or have an interest in the Project. The MECP identified that the following communities be consulted:

- 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;
- Métis Nation of Ontario – Windsor-Essex Métis Council; and
- Métis Nation of Ontario – Lands, Resources & Consultations Branch.

Indigenous community engagement is summarized in **Section 5.8**.

4 Consultation Activities during the TCEC ToR Process

The following consultation activities took place with the parties identified in **Appendix A** during the development of the Draft ToR:

- Distribution of Notice of Commencement and Virtual Consultation and Engagement Event 1;
- Virtual Consultation and Engagement Event 1;
- Project website, email and telephone number;

- Consultation with Agencies and organizations;
- Engagement with Indigenous communities and groups;
- Municipal Council meetings;
- Community Liaison Committee meetings; and
- Media publications regarding the ToR.

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

5 Structure of the Record of Consultation and Engagement

Table 1 lists the organization of the Record of Consultation and Engagement.

Table 1. Structure of the Record of Consultation and Engagement

Consultation and Engagement Activity	Location
Stakeholder Contact List	Section 5.1, Appendix A
Project Notices	Section 5.2, Appendix B
Virtual Consultation and Engagement Event 1	Section 5.3, Appendix C
Project Website, Email, and Telephone Number	Section 5.5
Presentations to Municipal Councils	Section 5.6, Appendix D
Community Liaison Committee Meetings	Section 5.7
Indigenous Engagement and Communications	Section 5.8, Appendix E
Public Consultation and Communications	Section 5.9, Appendix F
Agencies Consultation and Communications	Section 5.10, Appendix G
Media Publications	Section 5.11, Appendix H
Comment Response Tables	Section 6, Appendix I

5.1 Stakeholder Contact Lists

Section 3 above provides a description of participants and stakeholders. In addition, **Appendix A** includes a stakeholder contact list including the GRT, municipal agencies, and Indigenous communities and groups.

5.2 Project Notices

At key stages of the ToR Process, notices were distributed to the stakeholder groups, via letters, email, and newspaper advertisements. **Table 2** highlights the type of notice and its method and dates of publication.

Agencies, Indigenous communities, and members of the public, including neighbouring property owners, were notified of the commencement of the ToR and Virtual Consultation and Engagement Event 1.

Table 2. Project Notice Distribution and Publication Dates

Notice	Date of Mail/Electronic Delivery of Letter	Date of Publication in Local Newspapers	Date of Posting to Project Website
Notice of Commencement and Virtual Consultation and Engagement Event 1	November 16-17, 2020	The Sarnia Observer November 17 and 24, 2020 The Standard Lambton-Middlesex November 19 and 26, 2020 The Independent Serving Petrolia and Central Lambton November 19 and 26, 2020	November 17, 2020

A copy of the Notice of Commencement and Virtual Consultation and Engagement Event 1 is provided in **Appendix B**.

5.3 Virtual Consultation and Engagement Event 1

Due to the COVID-19 pandemic it was not possible for WM to host an in-person public open house or event. As an alternative, a Virtual Consultation and Engagement Event 1 took place between November 17 and December 4, 2020. Advance notification of the Event was provided to agencies, municipalities, organizations, Indigenous communities, and neighbouring property owners in an attempt to achieve maximum attendance. A series of slides was provided to participants and attendees clicked through at their own pace. Attendees were invited to join the project mailing list and submit comments via an online comment form that included questions regarding the information presented.

Table 3 presents a summary of the event. The Virtual Consultation and Engagement Event 1 Summary Report (**Appendix C**) contains a summary of the event materials and content that was provided during the Event.

Table 3. Summary of Virtual Consultation and Engagement Event 1 for the TCEC Landfill Optimization Project EA ToR

Event	Date and Location and Time	Attendance	Information Presented
Virtual Consultation and Engagement Event 1	November 17 to December 4, 2020 Project Website Various times	51 people in addition to WM and consulting staff	<ul style="list-style-type: none"> • A welcome page • Background on the Twin Creeks Environmental Centre (TCEC) • An overview of the Project • An overview of the EA process • The rationale for the undertaking • The alternatives to the undertaking and alternative methods that may be considered • The proposed EA evaluation process and criteria for consideration of potential effects • An overview of the general study areas to be considered and supporting studies to be carried out • An overview of general consultation and engagement activities • Next steps • WM contact information and an opportunity to join the mailing list

Event	Date and Location and Time	Attendance	Information Presented
			<ul style="list-style-type: none"> A comment form

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. The website was established to provide clear and accurate information to stakeholders as well as opportunities for participants to give feedback to WM.

The website includes up-to-date information about the Project, notices of upcoming events, and a summary of previous consultation and engagement events. 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.

5.5 Township of Warwick

WM made presentations to the Township of Warwick municipal council as outlined below. Copies of the presentations are included in **Appendix D**.

5.5.1 Notice of Commencement

In advance of the Notice of Commencement and Virtual Consultation and Engagement Event 1, WM gave a virtual Zoom presentation on the proposed Project to the Township of Warwick Council on November 16, 2020 at the Township's regularly scheduled meeting. The meeting was held virtually due to the Covid-19 pandemic.

A summary of the questions/comments and responses from the meeting are included in **Table** .

Table 4. Comments and Responses from Township of Warwick Council Meeting on November 16, 2020

Question/Comment	Response
Warwick has a Council meeting at 3pm. Could we have a copy of the Notice of Commencement prior to the meeting.	Yes Notice of Commencement will be issued after this call.
When is the next WPLC meeting and when will WPLC be notified of the project?	The next WPLC meeting is November 26, 2020 at 6pm. The Notice of Commencement will be issued to WPLC later today.
How will the Notice of Commencement be published?	The Notice of Commencement will be published in the Sarnia Observer tomorrow and in the Watford Standard later this week.
Have you considered publishing in the Petrolia Independent as it has a good local circulation?	We have not planned to use the Independent for this Notice but will investigate if we can get it out for this Notice and will ensure that future publications use the Petrolia Independent as well as the Sarnia and Watford papers.

Question/Comment	Response
Will the current Host Agreement be maintained or be amended?	We think the current Host Municipality Agreement works well for the current operation however we acknowledge we will need to look at its structure going forward as it relates to additional airspace resulting from the landfill optimization.
When should we start discussions involving the TRT?	Ideally as soon as possible. We've opened the Consultation and Engagement event for three weeks and are hoping to engage with all project stakeholders, including the Township of Warwick and the Technical Review Team during this time. We are ready to begin discussion and would like to have ongoing discussion throughout the Project.

5.5.2 Delegation to Council

WM provided an overview of the Project and an update to Warwick Council during the regularly scheduled meeting on March 1, 2021. A brief question and answer period followed WM's delegation to Council.

A follow up question was received from the Township to clarify discussion regarding WM's specific experience with vertical landfill expansions. WM provided details of three comparable projects.

5.5.3 Monthly Township Meeting – April 2021

During the regular monthly meeting between Township representatives and WM on April 6, 2021 it was indicated that the Township has established a new Council committee for the purpose of any discussions regarding the Optimization Project.

5.5.4 Monthly Township Meeting – May 2021

The monthly meeting with the Township was held on May 4, 2021 and included discussion on the next steps in the ToR process. WM outlined the timeline for release of a Draft ToR for comment and consultation. The ToR includes the development of technical work plans for 12 disciplines. WM has been in contact with the Township's Technical Review Team (TRT) to coordinate the upcoming review of the Draft ToR. Consultation activities associated with the Draft ToR review period were also discussed. WM noted that a geotechnical feasibility study was being prepared as part of the supporting documentation for the ToR to confirm the technical feasibility of the potential landfill optimization alternatives to be considered.

5.6 Warwick Public Liaison Committee Meetings

WM made a virtual presentation to the Warwick Public Liaison Committee (WPLC) on November 26, 2020, during the Virtual Consultation and Engagement Event 1 time period. Subsequent meetings were held after the event on February 18, and May 6, 2021. Both engagements occurred during the committee's regularly scheduled meetings. Copies of the agendas and meeting minutes are included in **Appendix D**.

5.6.1 WPLC Meeting November 26, 2020

During this meeting, the details of the Notice of Commencement were presented and general discussion regarding the Virtual Consultation and Engagement Event 1 on the project website took place. It was noted that this was only the first opportunity for comment and that there will be additional opportunities in the future. Committee members noted topics of concern or questions including:

- Site landscaping;
- Leachate and LFG collection systems;
- Waste fill rate;
- Initiation date of the End use committee startup if the Project is to be approved.

Copies of the meeting agenda and meeting minutes are in **Appendix D**.

5.6.2 WPLC Meeting February 18, 2021

During this meeting, a general discussion was held regarding the Project. The Committee noted the lack of public comments and questions during the Virtual Consultation and Engagement Event 1 and on the public consultation website. The parties agreed that if possible, in-person meetings could be better for WM and the public. Copies of the meeting agenda and meeting minutes are in **Appendix D**.

5.6.3 WPLC Meeting May 6, 2021

A general discussion regarding the Landfill Optimization Project was held during the meeting. The WPLC requested that details regarding the Project discussed during the meeting be included in the meeting minutes in the future. A summary of the Project was included with the meeting minutes. Copies of the meeting agenda and meeting minutes are in **Appendix D**.

5.7 Indigenous Communities Engagement and Communications

WM is committed to engagement with potentially affected Indigenous groups and communities during the EA process. All Indigenous communities and groups identified in **Appendix A** were provided engagement materials via registered mail or electronic mail.

The following Indigenous communities and organizations were contacted for engagement:

- 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;
- Métis Nation of Ontario – Windsor-Essex Métis Council; and
- Métis Nation of Ontario – Lands, Resources & Consultations Branch.

5.7.1 Walpole Island Heritage Centre Meeting November 17, 2020

On November 17, 2020, WM made a presentation to the Walpole First Nation Heritage Centre. Due to the Covid-19 pandemic, the meeting was held virtually via Microsoft Teams. A summary of comments and responses from the meeting is provided in **Table 5**. The meeting minutes are provided in **Appendix E**.

Table 5. Comments and Responses from the Walpole First Nation Heritage Centre meeting on November 17, 2020

Question/Comment	Response
We have a current IBA (Impact Benefits Agreement) we expect this agreement will be updated. Our current approach is to sign host agreements.	Yes, we agree that the current agreement will be revised and updated.
Suggest meeting in a month to discuss event 1 comments.	Agreed WM will propose dates for a next meeting and we propose ongoing meetings through the duration of the EA.
We've found that reviewing the existing agreement and preparing a report card to be useful before we present to Council.	This is excellent and if you have a report card format that you have used in the past we could tailor that for the review of the WM IBA
What is the history of the MECP inspection frequency at site?	Inspections started with daily during site preparation and initial operation. WM proposed reduction to weekly and MOE reduced frequency to monthly. Current frequency is weekly and are unannounced, unscheduled inspections.
What is the role and participation of the WPLC?	We have a strong and engaged WPLC.
How will WIFN Council be notified?	A review team list has been generated and WIFN council will be notified.
We expect Council to reach out after receiving notice.	That is why we distributed the Notice of Commence this morning and why we requested this call so that you are aware of the Project.

5.7.2 Walpole Island First Nation Meeting December 15, 2020

On December 15, 2020 a second meeting was held virtually with members of the Walpole Island First Nation (WIFN). The call discussed the completion of the Virtual Consultation and Engagement Event 1. It was agreed that the record and a draft 2021 schedule for the TOR tasks would be provided. Next steps were discussed, and WM agreed to share project team members and workplans with WIFN in January. The meeting minutes are provided in **Appendix E**.

5.7.3 Walpole Island First Nation Meeting January 26, 2021

A virtual meeting was held with representatives of WIFN to provide an update on the Optimization Project.

5.7.4 Walpole Island First Nation Meeting March 16, 2021

A virtual meeting was held with representatives of WIFN to provide an update on the Optimization Project. This included an overview of the technical discipline team working on preparing a preliminary description of the existing environmental conditions, evaluation criteria and draft work plans. WM outlined that the draft work plans will be issued for comment and will work with WIFN to provide copies to their review team. A summary of the virtual meeting is provided in **Appendix E**.

5.7.5 Chippewas of the Thames First Nation Correspondence

Following the distribution of the Notice of Commencement and Virtual Engagement Event 1, the Chippewas of the Thames First Nation (COTTFN) provided a written response regarding their interest in the Project. It was noted that the proposed project is located within the Big Bear Creek Additions to Reserve (ATR) land selection area, as well as Chippewas of the Thames First Nation Traditional Territory.

Based on the information provided, COTTFN identified that they have minimal concerns with the overall project. COTTFN would like to continue to be informed as the Project progresses, studies completed and notified of any upcoming events. If an Archaeological assessment is conducted, COTTFN requests that they be notified and provided the opportunity to participate.

A copy of the correspondence with COTTFN is included in **Appendix E**.

5.8 Public Consultation and Communications

The public were engaged and consulted with throughout the process and were provided several opportunities to offer feedback on the Project and its process. Virtual Consultation and Engagement Event 1 was well attended and public engagement correspondence, such as emails and letters, is included in **Appendix F**.

5.9 Agency, Municipal and Organization Consultation and Communications

All relevant government and municipal agency groups as well as business organizations were engaged. Several agencies and organizations responded after the Notice of Commencement and are included in **Appendix G**.

5.9.1 Conference call with Monte McNaughton, MPP for Lambton-Kent-Middlesex

On November 11, 2020, a conference call was held with Monte McNaughton, MPP for Lambton-Kent-Middlesex. WM provided the Project background information. Discussion included agreements with the Township of Warwick and Walpole Island First Nation, revenue sharing, and review teams. A summary of comments and responses from the call is provided in **Table 6**.

Table 6. Comments and Responses from Monte McNaughton call on November 11, 2020

Question/Comment	Response
Are there differing scenarios being considered?	Yes, as part of the EA process different alternatives will be considered to optimize the landfill.
Is the relationship good with Warwick?	Yes, WM has a good relationship and ongoing discussion with both the Township of Warwick and the County of Lambton.
When will a decision be made?	We expect the EA process and compliance approvals to take approximately 5 years to complete.

5.9.2 Conference call with Bob Bailey, MPP for Sarnia-Lambton

On November 13, 2020, a conference call was held with Bob Bailey, MPP for Sarnia-Lambton. WM provided the Project background information. Discussion included agreements with the Township of Warwick and Walpole Island First Nation, revenue sharing, and review teams. A summary of comments and responses from the call is provided in **Table 7**.

Table 7. Comments and Responses from Bob Bailey call on November 13, 2020

Question/Comment	Response
Is the gas from the landfill being used or could it be used?	Yes, part of the collected landfill gas is being used to heat a neighbouring greenhouse to grow vegetables.
Could the gas be used for RNG?	Yes, we hope in the future to utilize landfill gas from the site as RNG and hope to work with the Ministers of Environment and Energy to facilitate a connection to the grid.
Is a site tour of the facility available?	Yes, we would be happy to offer a site tour
Note that MPP office was not aware of any negative comments and has had good dialogue with Warwick Township mayor	Acknowledged
Will the revenue share be continued through the proposed expansion?	Yes, WM will continue to share revenue with both the municipality and Walpole Island First Nation.
Note about wishing there was still a landfill in MPP's riding	Is there any chance of reopening the Petrolia landfill – unlikely but WM would never say never
Requested to be included in project mailing list	Acknowledged
Is the gas from the landfill being used or could it be used?	Yes, part of the collected landfill gas is being used to heat a neighbouring greenhouse to grow vegetables.

5.9.3 County of Lambton

WM corresponded with Lambton County regarding the Notice of Commencement and Virtual Consultation and Engagement Event 1 for the Project on November 16, 2020. This included the County confirming and identifying the list of County staff to be included on the distribution list. Following the Virtual Consultation and Engagement Event 1, County staff requested a meeting with WM staff to discuss the Project.

On December 17, 2020, a call was held with Glen Millar, a representative of the County Lambton. He was provided with information regarding landfill end of life, traffic studies, the

extension of the County agreement, and waste scaled at the site and use of truck tare weights. A follow-up meeting was discussed for early 2021.

WM provided the Project background information. They discussed agreements with the Township of Warwick and Walpole Island First Nation, revenue sharing, and review teams.

Table 8. Comments and Responses from County of Lambton December 17, 2020

Question/Comment	Response
Are there differing scenarios being considered?	Yes, as part of the EA process different alternatives will be considered to optimize the landfill.
Is the relationship good with Warwick?	Yes, WM has a good relationship and ongoing discussion with both the Township of Warwick and the County of Lambton.
When will a decision be made?	We expect the EA process and compliance approvals to take approximately 5 years to complete.

A follow up meeting between County of Lambton representatives and WM was held on February 1, 2021. A range of topics were discussed including the County’s disposal agreement with WM and how this might relate to the Project. WM also provided an update on the Landfill Optimization Project and development of the ToR.

5.9.4 Communication with the Ministry of the Environment, Conservation and Parks

An initial discussion was held with MECP staff to introduce the Optimization Project to the Ministry and outline WM’s proposed consultation and engagement plans. As a follow up, the MECP provided WM with a list of Indigenous communities that may be impacted by the Project and to be contacted. Please refer to **Section 5.8** for the complete list.

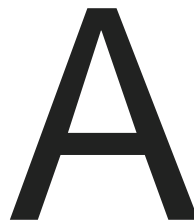
5.10 Media Publications

Articles written in a local newspaper regarding Virtual Consultation and Engagement Event 1 can be found in **Appendix H**.

6 Comment Response Tables

Comments received from all of the stakeholder groups and responses provided by WM are provided in **Appendix I**. These include the comments received:

- After the publication of the Notice of Commencement and the Virtual Consultation and Engagement Event 1;
- As a result of the Virtual Consultation and Engagement Event 1; and
- After Virtual Consultation and Engagement Event 1.

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Stakeholder Contact List

Virtual Consultation and Engagement Event 1 Summary Report
Twin Creeks Environmental Centre Landfill Optimization Project



Agency Contact List (Provincial/Federal/Municipal)

Agencies (Provincial/Federal/Municipal)													
Type	Category	Agency	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	Phone number 2 / Fax	Email
Provincial	Conservation Authority	St. Clair Region Conservation Authority	Planning and Regulations			205 Mill Pond Crescent		Strathroy	ON	N7G 3P9	519-245-3710		planning@scraa.on.ca
Provincial	Conservation Authority	St. Clair Region Conservation Authority	Planning Ecologist	Sarah	Hodgkiss	205 Mill Pond Crescent		Strathroy	ON	N7G 3P9	519-245-3710 x234		shodgkiss@scraa.on.ca
Provincial	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	705-329-6825		annrler.davey@opp.ca
Provincial	Provincial	Ministry of Agriculture, Food and Rural Affairs	Manager Land Use Policy & Stewardship	Michele	Doncaster	1 Stone Road West	3rd Floor	Guelph	ON	N1G 4Y2	226-979-1552	F: 519-826-3109	michele.doncaster@ontario.ca
Provincial	Provincial	Ministry of Agriculture, Food and Rural Affairs	Rural Planner Southwestern Land Use Policy & Stewardship Food Safety and Environmental Policy Branch	Drew	Crinklaw	667 Exeter Road		London	ON	N6E 1L3	519-317-4493		drew.crinklaw@ontario.ca
Provincial	Provincial	Ministry of Heritage, Sport, Tourism and Culture Industries	Team Lead(A), Heritage Heritage Planning Unit Programs and Services Branch	Karla	Barboza	401 Bay Street	Suite 1700	Toronto	ON	M7A 0A7	416-314 7120		karla.barboza@ontario.ca
Provincial	Provincial	Ministry of Indigenous Affairs				160 Bloor Street East	4th Floor	Toronto	ON	M7A 2E8			nina.ka.streng@ontario.ca
Provincial	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	519-873-4025	F: 519-873-4018	erick.boyd@ontario.ca
Provincial	Provincial	Ministry of Natural Resources and Forestry	District Planner Aylmer District	Karina	Cerniavskaja	615 John St. N		Aylmer	ON	N6H 2S8	519-773-4757	F: 519-773-9014	karina.cerniavskaja@ontario.ca
Provincial	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
Provincial	Provincial	Ministry of the Environment, Conservation and Parks	Director, Environmental Assessment Branch	Kathleen	O'Neill	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	647-287-5664		kathleen.oneill@ontario.ca
Provincial	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	416-314-7765		andrew.evers@ontario.ca
Provincial	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
Provincial	Provincial	Ministry of the Environment, Conservation and Parks	Senior Advisor(A), 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
Provincial	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
Provincial	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
Provincial	Provincial	Ministry of the Environment, Conservation and Parks	Manager, Sarnia District Office	Sean	Morrison	1094 London Road		Sarnia	ON	N7S 1P1	519-381-5536		sean.morrison@ontario.ca
Provincial	Provincial	Ministry of the Environment, Conservation and Parks	County Clerk/General Manager, Sarnia District Office	Mary Jane	Corda	1094 London Road		Sarnia	ON	N7S 1P1	226-932-1785		maryjane.corda@ontario.ca
Provincial	Provincial	Ministry of the Environment, Conservation and Parks	Senior Environmental Officer, Sarnia District Office	James	Butrow	1094 London Road		Sarnia	ON	N7S 1P1	519-383-3774		James.Butrow@ontario.ca
Provincial	Provincial	Ministry of the Environment, Conservation and Parks	Senior Environmental Officer, Sarnia District Office	Nicole	Does	1094 London Road		Sarnia	ON	N7S 1P1	226-932-6215		Nicole.Does@ontario.ca
Provincial	Provincial	Ministry of the Environment, Conservation and Parks	Senior Environmental Officer, Sarnia District Office	Michael	Harris	1094 London Road		Sarnia	ON	N7S 1P1	226-932-0359		michael.harris@ontario.ca
Provincial	Provincial	Ministry of the Environment, Conservation and Parks	Director, Southwest Region	Lee	Orphan	733 Exeter Road		London	ON	N6E 1L3	519-873-5001		lee.orphan@ontario.ca
Provincial	Provincial	Lambton-Kent/Middlesex	MPP	Monte	McNaughton	81 Front Street West		Strathroy	ON	N7G 1X6	519-245-8696	F: 519-245-8697	monte.mcnaughton@pc.ola.org
Provincial	Provincial	Sarnia-Lambton	MPP	Bob	Bailey	805 Christine St. North	Suite 102	Point Edward	ON	N7V 1X6	519-337-0051		bob.bailey@pc.ola.org
Federal	Federal	Impact Assessment Agency of Canada	Regional Director, Ontario Regional Office	Anjala	Puvanarathan	55 York Street	Suite 600	Toronto	ON	M5J 1R7	416-952-1575		anjala.puvanarathan@canada.ca
Federal	Federal	Environment and Climate Change Canada	Manager, Environmental Assessment Section Environmental Protection Branch - Ontario Region	Wes	Plant	4905 Dufferin Street	2nd Floor	Downsview	ON	M3H 5T4	416-739-4272		wesley.plant@canada.ca
Municipal	Municipal	Township of Warwick	Fire Chief, Warwick Station	Brad	Goodhill	7074 Egremont Road		Warwick	ON	N1M 2S0	519-490-4256		warwickfire@warwicktownship.ca
Municipal	Municipal	Township of Warwick	Fire Chief, Watford Station	Rick	Stirlington	520 Ontario Street		Watford	ON	N1M 2S0	519-490-4337		watfordfire@warwicktownship.ca
Municipal	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
Municipal	Municipal	County of Lambton	County Clerk/General Manager, Corporate Services, Legal Services & Clerks Department	Stéphane	Thifaut	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N1N 1T0	519-845-0801 x5402	519-845-3160	stephane.thifaut@county-lambton.on.ca
Municipal	Municipal	County of Lambton	CAO	Ron	Van Horne	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N1N 1T0	519-845-5410		ron.vanhorne@county-lambton.on.ca
Municipal	Municipal	County of Lambton	Manager, Planning & Development Services	Ken	Melanson	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N1N 1T0	519-845-0801 x5342	519-845-3160	ken.melanson@county-lambton.on.ca
Municipal	Municipal	County of Lambton	General Manager, Infrastructure & Development Services	Jason	Cole	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N1N 1T0	519-845-5413	519-845-3160	jason.cole@county-lambton.on.ca
Municipal	Municipal	County of Lambton	Manager, Public Works	Matt	Deline	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N1N 1T0	519-845-0801 x5370	519-845-3160	matt.deline@county-lambton.on.ca
Municipal	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
Municipal	Municipal	Township of Warwick	CAO/Clerk	Amanda	Gubbels	6332 Nauvoo Road		Watford	ON	N1M 2S0	519-849-3926	519-849-6136	agubbels@warwicktownship.ca
Municipal	Municipal	Township of Warwick	Treasurer/Deputy Administrator	Trevor	Jarrett	6332 Nauvoo Road		Watford	ON	N1M 2S0	519-849-3926	519-849-6136	tjarrett@warwicktownship.ca
Municipal	Municipal	Township of Warwick	Manager, Public Works	Andrew	Maver	6332 Nauvoo Road		Watford	ON	N1M 2S0	519-876-2808		amaver@warwicktownship.ca
Municipal	Municipal	Township of Warwick	Mayor	Jackie	Rombouts	6332 Nauvoo Road		Watford	ON	N1M 2S0	519-464-3634		jackie_rombouts@hotmail.com
Municipal	Municipal	Township of Warwick	Councillor	Colin	Mitchell	6332 Nauvoo Road		Watford	ON	N1M 2S0	226-235-2337		mitchellcolin24@gmail.com
Municipal	Municipal	Township of Warwick	Councillor	Wayne	Morris	6332 Nauvoo Road		Watford	ON	N1M 2S0	519-849-3947		trumar@bnkhsd.on.ca
Municipal	Municipal	Township of Warwick	Councillor	Jerry	Nesigate	6332 Nauvoo Road		Watford	ON	N1M 2S0	519-331-0519		jnesigate@warwicktownship.ca
Municipal	Municipal	Township of Warwick	Councillor	Todd	White	6332 Nauvoo Road		Watford	ON	N1M 2S0	519-817-6917		whitet72@icloud.com
Municipal	School Board	Conseil Scolaire Catholique Providence	Director of Education	Joseph	Picard	7515 Forest Glade Drive		Windsor	ON	N8T 3P5	519-948-9227 x223		jpicardse@ccscprovidence.ca
Municipal	School Board	Lambton Kent District School Board	Director of Education	John	Hewitt	220 Wellington Street	Box 2019	Sarnia	ON	N7T 7L2	519-336-1500 x31297		john.hewitt@lksdb.net
Municipal	School Board	St. Clair Catholic District School Board	Director of Education	Deb	Crawford	420 Creek Street		Wallaceburg	ON	N8A 4C4	519-627-6762 x10241		deb.crawford@st-clair.net

= removed from list

Public Contact List

Public							
First Name	Last Name	Address1	City	Prov	Postal Code	Phone	Email
Ron	Jariott		Watford	ON			
Kathy	Zavit		Watford	ON			
John/Violet	Caley		Watford	ON			
George	Cornelissen		Watford	ON			
Heather	Wright						
Mike	Cornelissen		Watford	ON			
Joseph	Mezenberg		Watford	ON			
Shawn	Scott						
Rebecca	Stewart						
Christine	Shea						
Alex	Ciccione						
Lynda/Frank	Veens/Vandeschoot		Watford	ON			
Marion/Brian	Rankin		Watford	ON			
Connie	Rankin		Watford	ON			
Patricia	Bork		Watford	ON			
Paul	Leliveld		Watford	ON			
Kim	Leliveld						
Kevin	Peters		Watford	ON			
Paul	Morden		Sarnia	ON			
Steve	Spring						
Tracey	Fisher		Watford	ON			
Twin Creeks	Greenhouse		Watford	ON			
Watford Cemetery	Board		Watford	ON			
Romgate Farms	Ltd.		Watford	ON			
2605487 Ontario	C/O Carolyn		Watford	ON			
Ltd	Cornelissen						
F&J Vanden Heuvel	Ltd.		Watford	ON			
& Sons							

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Project Notices



Notice of Commencement and Virtual Consultation & Engagement Event 1 Terms of Reference for an Environmental Assessment Twin Creeks Environmental Centre Landfill Optimization Project

Waste Management of Canada Corporation (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, has initiated an Environmental Assessment (EA) seeking approval to optimize the landfill design and operation, maximizing the use of the constructed infrastructure and the significant investment made at the TCEC. The optimization could involve a vertical expansion of the landfill within the approved 101.8 ha Expansion Landfill footprint by modifying the side slopes and increasing the elevation of the landfill. This optimization could provide additional airspace of up to approximately 14M m³, which could extend the site life by approximately 12 years (from 2032 to 2044). There would be no change to the current 101.8 ha landfill footprint area, the approved service area, or the annual fill rate.

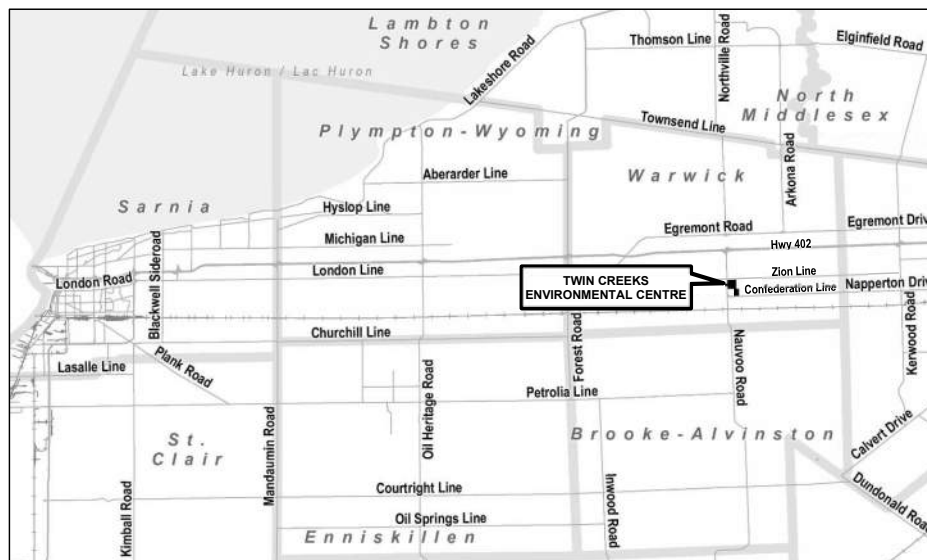
There is a need for the continued development of the TCEC as it is a significant component of the provincial waste management network and infrastructure, which is lacking in sufficient and secure long-term disposal capacity. Optimizing the future development of the TCEC allows for on-going sustainable business operations and continued provision of essential financial support for community services and programs.

The TCEC is located in the Township of Warwick near the Village of Watford, at the corner of Nauvoos Road and Zion Line (see Key Plan below). The purpose of the EA is to assess the potential effects of the proposed landfill optimization on the environment.

The Process

The EA will be carried out in accordance with the requirements of the *Ontario Environmental Assessment Act*. The first step in the process is the preparation of a Terms of Reference. The Terms of Reference will set out the framework and work plan for addressing the *Ontario Environmental Assessment Act* requirements when preparing the EA, including such things as the alternatives that will be considered, and the public consultation and engagement activities that will be carried out. If approved by the Minister, the Terms of Reference will provide the framework and requirements for the preparation of the EA.

KEY PLAN



Consultation and Engagement

Members of the public, agencies, Indigenous communities, and other interested persons are encouraged to actively participate in the Terms of Reference planning process by participating in consultation and engagement opportunities or contacting staff directly with comments or questions. Consultation and engagement opportunities are being planned throughout the process and 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).

WM invites you to attend **Virtual Consultation & Engagement Event 1** to introduce and provide an overview of the landfill optimization project, present the development and contents of the Terms of Reference, the EA process, and information on the rationale, proposed alternatives, and the consultation and engagement process that will be followed during the development of the EA. **Virtual Consultation & Engagement Event 1** is an online event accessible from the project website www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project, which will run between **Tuesday, November 17 and Friday, December 4, 2020**. You are encouraged to participate by reviewing the information provided during the event and providing feedback.

In addition to participating in **Virtual Consultation & Engagement Event 1**, you are invited to submit your 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
Waste Management of Canada Corporation
5768 Nauvoos 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 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 for the purposes 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 s.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, please contact the Ministry of the Environment, Conservation and Parks' Freedom of Information and Privacy Coordinator at 416-327-1434.

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Virtual Consultation and
Engagement Event 1
Summary Report



Virtual Consultation and Engagement Event 1 Summary Report

Twin Creeks Environmental Centre Landfill
Optimization Project

Waste Management of Canada Corporation

Watford, Ontario

December 16, 2020

Prepared by:

HDR Corporation
100 York Blvd., Suite 300
Richmond Hill, ON L4B 1J8





Contents

1	Background	1
2	Overview of Virtual Consultation and Engagement Event 1	1
3	Notifications	2
4	Venue and Attendance	2
5	Information Presented	3
6	Summary of Comments/Issues	3

Tables

Table 3-1. Publication of the Notice in Newspapers	2
Table 6-1. Summary of Comments Received from Event Comment Forms	4

Appendices

Appendix A. Notice of Commencement and Virtual Consultation and Engagement Event 1.....	A-1
Appendix B. Public and Agency Mailing List.....	B-1
Appendix C. Indigenous Community Mailing List	C-1
Appendix D. Newspaper Advertisements	D-1
Appendix E. Virtual Consultation and Engagement Event 1 Content.....	E-1
Appendix F. Completed Public Comment Forms.....	F-1

1 Background

Waste Management of Canada Corporation (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, has initiated an Environmental Assessment (EA) seeking approval to optimize the landfill design and operation, maximizing the use of the constructed infrastructure and the significant investment made at the TCEC. The TCEC is located in the Township of Warwick near the Village of Watford, at the corner of Nauvoo Road and Zion Line. The optimization could involve a vertical expansion of the landfill within the approved 101.8 ha Expansion Landfill footprint by modifying the side slopes and increasing the elevation of the landfill. This optimization could provide additional airspace of up to approximately 14M m³, which could extend the site life by approximately 12 years (from 2032 to 2044). There would be no change to the current 101.8 ha landfill footprint area, the approved service area, or the annual fill rate.

The purpose of the EA is to assess the potential effects of the proposed landfill optimization on the environment. The EA will be carried out in accordance with the requirements of the *Ontario Environmental Assessment Act (EAA)*. The first step in the process is the preparation of a Terms of Reference (ToR). The ToR will set out the framework and work plan for addressing the Ontario Environmental Assessment Act requirements when preparing the EA, including such things as the alternatives that will be considered, and the public consultation and engagement activities that will be carried out. If approved by the Minister, the ToR will provide the framework and requirements for the preparation of the EA. Two public consultation and engagement events are proposed to support the development of the ToR.

Public and agency consultation and Indigenous community engagement are an essential part of the EA process. Activities such as public consultation and engagement events provide the opportunity to learn more about the project, ask questions, and provide comments regarding the project. This report provides a summary of Virtual Consultation and Engagement Event 1 for the ToR, which was carried out between November 17 and December 4, 2020.

2 Overview of Virtual Consultation and Engagement Event 1

Due to public gathering restrictions associated with the COVID-19 pandemic, the traditional public open house format was replaced by a virtual online event. Virtual Consultation and Engagement Event 1 was held over a period of 18 days to introduce and provide an overview of the landfill optimization project, present the development and contents of the Terms of Reference, the EA process, and information on the rationale, proposed alternatives, and the consultation and engagement process that will be followed during the development of the EA.

The event was organized as an online information session with a series of slides that attendees clicked through at their own pace. Attendees were invited to join the project

mailing list and submit comments via an online comment form that included questions regarding the information presented.

3 Notifications

Agencies, members of the public including neighbouring property owners, and Indigenous communities were notified of Virtual Consultation and Engagement Event 1 via the Notice of Commencement and Virtual Consultation and Engagement Event 1 (the Notice). A copy of the Notice is provided in **Appendix A**.

The Notice was sent via email to agencies, municipalities, organizations, Indigenous communities, and neighbouring property owners on November 17, 2020. The Notice was also sent via regular mail to neighbouring property owners without available email addresses. The mailing list of agencies, municipalities, organizations, and neighbouring property owners that received notification is provided in **Appendix B**. The mailing list of Indigenous communities that received notification is provided in **Appendix C**.

The Notice was published in a regional newspaper and two local newspapers as outlined in **Table 3-1**. Copies of the newspaper advertisements are provided in **Appendix D**. A copy of the Notice was uploaded to the project website (www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project) on November 17, 2020.

Table 3-1. Publication of the Notice in Newspapers

Newspaper	Publication Date 1	Publication Date 2
Regional Newspapers		
The Sarnia Observer	Tuesday, November 17, 2020	Tuesday, November 24, 2020
Local Newspapers		
The Standard Lambton-Middlesex	Thursday, November 19, 2020	Thursday, November 26, 2020
The Independent Serving Petrolia and Central Lambton	Thursday, November 19, 2020	Thursday, November 26, 2020

4 Venue and Attendance

Virtual Consultation and Engagement Event 1 took place over 18 days from Tuesday, November 17 to Friday, December 4, 2020. As previously noted, due to public gathering restrictions, the event was held online and a link to the event was provided on the project website. The virtual event was organized to allow attendees to click through and review the provided content at their own pace. Options to join the mailing list and submit comments were also provided as part of the event. Based on the data gathered during the event, Virtual Consultation and Engagement Event 1 was visited by 51 people in addition to WM and consulting staff.

5 Information Presented

Information during Virtual Consultation and Engagement Event 1 was presented on 14 slides. A copy of the slides is provided in **Appendix E**. The information presented included:

- a welcome page;
- background on the Twin Creeks Environmental Centre (TCEC);
- an overview of the project;
- an overview of the EA process;
- the rationale for the undertaking;
- the alternatives to the undertaking and alternative methods that may be considered;
- the proposed EA evaluation process and criteria for consideration of potential effects;
- an overview of the general study areas to be considered and supporting studies to be carried out;
- an overview of general consultation and engagement activities;
- next steps;
- WM contact information and an opportunity to join the mailing list; and
- a comment form.

A copy of the slides has been uploaded to the project website at www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project.

6 Summary of Comments/Issues

The last slide of content for Virtual Consultation and Engagement Event 1 included an opportunity for attendees to submit comments on the information presented. The comment form is included in **Appendix E**.

A total of 11 requests to join the mailing list were received during the event. Five (5) comment forms were submitted prior to the end of the event on December 4, 2020. The comments received are summarized in **Table 6-1**. Comments will be considered in the development of the ToR and EA, and written responses will be included in the Record of Consultation and Engagement for the ToR as appropriate. Copies of the completed comment forms are included in **Appendix F**.

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

My interest in the project is: (please check all that apply)			
1	residential property	4	air quality (dust, noise, odour)
1	business	2	ecology
2	agency representative	1	member of interest group
3	groundwater, surface water	3	land use / visual
3	transportation	1	other: Average amount of money Watford is receiving every year

Please provide any **general comments** about the information presented at this Virtual Consultation & Engagement Event.

Two (2) responses were received to this question. General comments included the following:

- health issues in the surrounding area; and
- a request to meet with WM representatives.

Do you have any comments, concerns, or recommendations regarding the **current operations at the Twin Creeks Environmental Centre**? (Yes/No)

Four (4) responses were received to this question (3 yes, 1 no). The responses received were related to the existing perceived odours from the site, litter along the roadway into Watford, WM's existing complaint resolution process, and the discrepancy between the current estimated end of life (2032) versus the existing agreement with the County of Lambton.

After reviewing the information presented at this Virtual Consultation & Engagement Event, do you have any additional comments, concerns, or recommendations regarding the **rationale for the proposed project**? (Yes/No)

Four (4) responses were received to this question (1 yes, 3 no). The responses received requested WM to consider Watford residents' concerns about existing operations and how these could change as a result of further development.

Do you have any specific comments, concerns, or recommendations regarding the **Alternatives as presented**? (Yes/No)

Four (4) responses were received to this question (1 yes, 3 no). The responses received were related to the existing perceived issues at the site, suggested closing the landfill at current end of life, and suggested developing a new landfill in a more remote area.

Do you have any specific comments, concerns, or recommendations regarding the **Evaluation Criteria** to be used in the assessment of the Alternatives as presented? (Yes/No)

Four (4) responses were received to this question (1 yes, 3 no). The responses received noted that a health study was not listed.

Do you have any comments, questions, or suggestions **future consultation and engagement events** that will be held for the Terms of Reference and Environmental Assessment (e.g., format)? (Yes/No)

Four (4) responses were received to this question (1 yes, 3 no). The responses received suggested that future consultation and engagement events should be conducted as in-person events when COVID-19 is under control, and that people who are not experienced with technology would like to provide feedback.

Are there any other issues that you feel WM should consider in the **development of the Terms of Reference?** (Yes/No)

Four (4) responses were received to this question (2 yes, 2 no). The responses received were related to the following:

- conducting a traffic impact assessment along haul routes and access points; and
- creating a recycling centre.

Additional comments received outside of Virtual Consultation and Engagement Event 1, i.e., through phone calls, letters, and emails, will also be considered in the development of the ToR and EA, and written responses will also be included in the Record of Consultation and Engagement for the ToR as appropriate.

A

Notice of Commencement and Virtual Consultation and Engagement Event 1



Notice of Commencement and Virtual Consultation & Engagement Event 1 Terms of Reference for an Environmental Assessment Twin Creeks Environmental Centre Landfill Optimization Project

Waste Management of Canada Corporation (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, has initiated an Environmental Assessment (EA) seeking approval to optimize the landfill design and operation, maximizing the use of the constructed infrastructure and the significant investment made at the TCEC. The optimization could involve a vertical expansion of the landfill within the approved 101.8 ha Expansion Landfill footprint by modifying the side slopes and increasing the elevation of the landfill. This optimization could provide additional airspace of up to approximately 14M m³, which could extend the site life by approximately 12 years (from 2032 to 2044). There would be no change to the current 101.8 ha landfill footprint area, the approved service area, or the annual fill rate.

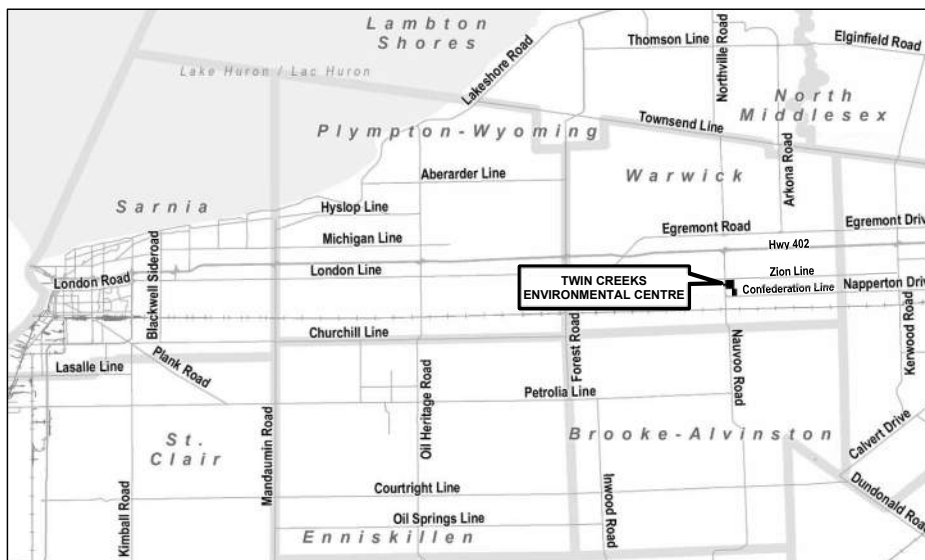
There is a need for the continued development of the TCEC as it is a significant component of the provincial waste management network and infrastructure, which is lacking in sufficient and secure long-term disposal capacity. Optimizing the future development of the TCEC allows for on-going sustainable business operations and continued provision of essential financial support for community services and programs.

The TCEC is located in the Township of Warwick near the Village of Watford, at the corner of Nauvoo Road and Zion Line (see Key Plan below). The purpose of the EA is to assess the potential effects of the proposed landfill optimization on the environment.

The Process

The EA will be carried out in accordance with the requirements of the *Ontario Environmental Assessment Act*. The first step in the process is the preparation of a Terms of Reference. The Terms of Reference will set out the framework and work plan for addressing the *Ontario Environmental Assessment Act* requirements when preparing the EA, including such things as the alternatives that will be considered, and the public consultation and engagement activities that will be carried out. If approved by the Minister, the Terms of Reference will provide the framework and requirements for the preparation of the EA.

KEY PLAN



Consultation and Engagement

Members of the public, agencies, Indigenous communities, and other interested persons are encouraged to actively participate in the Terms of Reference planning process by participating in consultation and engagement opportunities or contacting staff directly with comments or questions. Consultation and engagement opportunities are being planned throughout the process and 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).

WM invites you to attend **Virtual Consultation & Engagement Event 1** to introduce and provide an overview of the landfill optimization project, present the development and contents of the Terms of Reference, the EA process, and information on the rationale, proposed alternatives, and the consultation and engagement process that will be followed during the development of the EA. **Virtual Consultation & Engagement Event 1** is an online event accessible from the project website www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project, which will run between **Tuesday, November 17 and Friday, December 4, 2020**. You are encouraged to participate by reviewing the information provided during the event and providing feedback.

In addition to participating in **Virtual Consultation & Engagement Event 1**, you are invited to submit your 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
Waste Management of Canada Corporation
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 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 for the purposes 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 s.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, please contact the Ministry of the Environment, Conservation and Parks' Freedom of Information and Privacy Coordinator at 416-327-1434.

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Public and Agency
Mailing List

Agencies (Provincial/Federal/Municipal)

Category	Agency	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	Email
Provincial											
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
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
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	705-329-6825	jennifer.davey@opp.ca
Provincial	Ministry of Agriculture, Food and Rural Affairs	Manager Land Use Policy & Stewardship	Michele	Doncaster	1 Stone Road West	3rd Floor	Guelph	ON	N1G 4Y2	226-979-1552	michele.doncaster@ontario.ca
Provincial	Ministry of Agriculture, Food and Rural Affairs		Anneleis	Eckert	6484 Wellington Road 7	Unit 10	Elora	ON	N0B 1S0	519-872-6040	anneleis.eckert@ontario.ca
Provincial	Ministry of Agriculture, Food and Rural Affairs	Rural Planner Southwestern Land Use Policy & Stewardship Food Safety and Environmental Policy Branch	Drew	Crinklaw	667 Exeter Road		London	ON	N6E 1L3	519-317-4493	drew.crinklaw@ontario.ca
Provincial	Ministry of Heritage, Sport, Tourism and Culture Industries	Team Lead(A), Heritage Heritage Planning Unit Programs and Services Branch	Karla	Barboza	401 Bay Street	Suite 1700	Toronto	ON	M7A 0A7	416-314 7120	karla.barboza@ontario.ca
Provincial	Ministry of Indigenous Affairs				160 Bloor Street East	4th Floor	Toronto	ON	M7A 2E6		maa.ea.review@ontario.ca
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	519-873-4025	erick.boyd@ontario.ca
Provincial	Ministry of Natural Resources and Forestry	District Planner Aylmer District	Karina	Cerniavskaja	615 John St. N		Aylmer	ON	N5H 2S8	519-773-4757	karina.cerniavskaja@ontario.ca
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
Provincial	Ministry of the Environment, Conservation and Parks	Director, Environmental Assessment Branch	Kathleen	O'Neill	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	647-287-5664	kathleen.oneill@ontario.ca
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	416-314-7765	andrew.evers@ontario.ca
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
Provincial	Ministry of the Environment, Conservation and Parks	Senior Advisor(A), 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

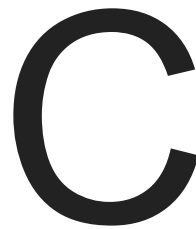
Category	Agency	Title	First	Last	Address	Address 2	City	Prov	Postal	Phone number	Email
Provincial	Ministry of the Environment, Conservation and Parks	Manager, Waste Approvals Environmental Permissions Branch	Mohsen	Keyvani	135 St. Clair Ave. West	1st Floor	Toronto	ON	M4V 1P5	416-432-7253	mohsen.keyvani@ontario.ca
Provincial	Ministry of the Environment, Conservation and Parks	Manager, Sarnia District Office	Sean	Morrison	1094 London Road		Sarnia	ON	N7S 1P1	519-381-5536	sean.morrison@ontario.ca
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
Provincial	Ministry of the Environment, Conservation and Parks	Senior Environmental Officer, Sarnia District Office	James	Buhrow	1094 London Road		Sarnia	ON	N7S 1P1	519-330-0278	james.buhrow@ontario.ca
Provincial	Ministry of the Environment, Conservation and Parks	Senior Environmental Officer, Sarnia District Office	Michael	Harris	1094 London Road		Sarnia	ON	N7S 1P1	226-932-0359	michael.harris@ontario.ca
Provincial	Ministry of the Environment, Conservation and Parks	Director, Southwest Region	Lee	Orphan	733 Exeter Road		London	ON	N6E 1L3	519-873-5001	lee.orphan@ontario.ca
Provincial	Lambton-Kent-Middlesex	MPP	Monte	McNaughton	81 Front Street West		Strathroy	ON	N7G 1X6	519-245-8696	monte.mcnaughtonco@pc.ola.org
Provincial	Sarnia-Lambton	MPP	Bob	Bailey	805 Christina St. North	Suite 102	Point Edward	ON	N7V 1X6	519-337-0051	bob.baileyc@pc.ola.org
Federal											
Federal	Impact Assessment Agency of Canada	Regional Director, Ontario Regional Office	Anjala	Puvananathan	55 York Street	Suite 600	Toronto	ON	M5J 1R7	416-952-1575	anjala.puvananathan@canada.ca
Federal	Environment and Climate Change Canada	Manager, Environmental Assessment Section Environmental Protection Branch – Ontario Region	Wes	Plant	4905 Dufferin Street	2nd Floor	Downsview	ON	M3H 5T4	416-739-4272	wesley.plant@canada.ca
Municipal											
Municipal	Township of Warwick	Fire Chief, Warwick Station	Brad	Goodhill	7074 Egremont Road		Warwick	ON	N0M 2S0	519-490-4256	warwickfire@warwicktownship.ca
Municipal	Township of Warwick	Fire Chief, Watford Station	Rick	Sitlington	520 Ontario Street		Watford	ON	N0M 2S0	519-490-4337	watfordfire@warwicktownship.ca
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
Municipal	County of Lambton	County Clerk/General Manager, Corporate Services, Legal Services & Clerks Department	Stéphane	Thiffeault	789 Broadway St.	P.O. Box 3000	Wyoming	ON	N0N 1T0	519-845-0801 x5402	stephane.thiffeault@county-lambton.on.ca
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
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
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
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
Municipal	Township of Warwick	CAO/Clerk	Amanda	Gubbels	6332 Nauvoo Road		Watford	ON	N0M 2S0	519-849-3926	agubbels@warwicktownship.ca
Municipal	Township of Warwick	Treasurer/Deputy Administrator	Trevor	Jarrett	6332 Nauvoo Road		Watford	ON	N0M 2S0	519-849-3926	tjarrett@warwicktownship.ca
Municipal	Township of Warwick	Manager, Public Works	Andrew	Maver	6332 Nauvoo Road		Watford	ON	N0M 2S0	519-876-2808	amaver@warwicktownship.ca
Municipal	Township of Warwick	Mayor	Jackie	Rombouts	6332 Nauvoo Road		Watford	ON	N0M 2S0	519-464-3634	jackie_rombouts@hotmail.com
Municipal	Township of Warwick	Councillor	Colin	Mitchell	6332 Nauvoo Road		Watford	ON	N0M 2S0	226-235-2337	mitchellcolin24@gmail.com
Municipal	Township of Warwick	Councillor	Wayne	Morris	6332 Nauvoo Road		Watford	ON	N0M 2S0	519-849-3947	trumor@brktel.on.ca
Municipal	Township of Warwick	Councillor	Jerry	Westgate	6332 Nauvoo Road		Watford	ON	N0M 2S0	519-331-2519	iwestg801@execulink.com
Municipal	Township of Warwick	Councillor	Todd	White	6332 Nauvoo Road		Watford	ON	N0M 2S0	519-617-6917	whitet72@icloud.com
School Board	Conseil Scolaire Catholique Providence	Director of Education	Joseph	Picard	7515 Forest Glade Drive		Windsor	ON	N8T 3P5	519-948-9227 x223	picaiose@cscprovidence.ca
School Board	Lambton Kent District School Board	Director of Education	John	Howitt	220 Wellington Street	Box 2019	Sarnia	ON	N7T 7L2	519-336-1500 x31297	john.howitt@lkdsb.net
School Board	St. Clair Catholic District School Board	Director of Education	Deb	Crawford	420 Creek Street		Wallaceburg	ON	N8A 4C4	519-627-6762 x10241	deb.crawford@st-clair.net

Warwick Public Liaison Committee

First	Last	Address	Address 2	City	Prov	Postal Code	Phone number	Email
Mary Lynn	Metras			Watford	ON			
Jackie	Rombouts			Watford	ON			
Peter	Braet			Watford	ON			
James	Buhrow			Sarnia	ON			
Heather	Joosten			Watford	ON			
Alex	McDonald			Watford	ON			
Colin	Mitchell							
Wayne	Morris							
John	O'Neil			Arkona	ON			
Mac	Parker			Watford	ON			
Peter	Pickfield			Guelph	ON			
Betsy	Rombouts			Watford	ON			
Wilf	Ruland			Dundas	ON			
Elsie	Timmers			Watford	ON			
Gerry	Van Diepen			Watford	ON			
Karen	Wesley			Watford	ON			
Jerry	Westgate			Watford	ON			
Todd	White			Watford	ON			

Public

First Name	Last Name	Address1	City	Prov	Postal Code	Email
Ron	Jariott		Watford	ON		
Kathy	Zavitz		Watford	ON		
Violet	Caley		Watford	ON		
George	Cornelissen		Watford	ON		
Watford Cemetery	Board		Watford	ON		
Mike	Cornelissen		Watford	ON		

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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	Email
Aamjiwnaang First Nation	Chief	Chris	Plain	978 Tashmoo Avenue		Sarnia	ON	N7T 7H5	519-336-8410 x236	chief_plain@aamjiwnaang.ca
Walpole Island First Nation – Bkejwanong Territory	Chief	Charles	Sampson	117 Tahgahoning Road	RR 3	Walpole Island	ON	N8A 4K9	519-628-5700	charles_sampson@wifn.org
Walpole Island Heritage Centre Walpole Island First Nation – Bkejwanong Territory	Consultation Manager	Dean	Jacobs	2185 River Road N.	RR#3	Wallaceburg	ON	N8A 4K9	519-627-1475 x104	dean_jacobs@wifn.org
Walpole Island Heritage Centre Walpole Island First Nation – Bkejwanong Territory	Project Review Coordinator	Janet	MacBeth	2185 River Road N.	RR#3	Wallaceburg	ON	N8A 4K9	519-627-1475 x108	janet.macbeth@wifn.org
Caldwell First Nation	Chief	Mary	Duckworth	14 Orange Street		Leamington	ON	N8H 1P5	519-322-1766	chief@caldwellfirstnation.ca
Caldwell First Nation	Consultation Coordinator	Brianna	Sands	14 Orange Street		Leamington	ON	N8H 1P5	519-322-1766 x1243	consultation_coordinator@caldwellfirstnation.ca
Chippewas of Kettle and Stony Point First Nation	Chief	Jason	Henry	6247 Indian Lane	RR#2	Kettle Point	ON	N0N 1J1	519-786-2125	fdesk@kettlepoint.org
Chippewas of the Thames First Nation	Chief	Jacqueline	French	320 Chippewa Road	RR#1	Muncey	ON	N0L 1Y0	519-289-5555 519-289-5241	jfrench@cottfn.com
Chippewas of the Thames First Nation	Consultation Coordinator	Fallon	Burch	320 Chippewa Road	RR#1	Muncey	ON	N0L 1Y0	519-289-5555 x251	consultation@cottfn.com
Delaware Nation at Moraviantown	Chief	Denise	Stonefish	14760 School House Line	RR#3	Thamesville	ON	N0P 2K0	519-692-3936	denise_stonefish@delawarenation.on.ca
Munsee Delaware Nation	Chief	Mark	Peters	289 Jubilee Road	RR#1	Muncey	ON	N0L 1Y0	519-289-5396	chief@munsee.ca
Oneida Nation of the Thames	Chief	Adrian	Chrisjohn	2210 Elm Avenue		Southwold	ON	N0L 2G0	519-318-4598	adrian_chrisjohn@oneida.on.ca
Métis Nation of Ontario – Windsor-Essex Métis Council	President	Sharlene	Lance	600 Techumseh Road East	Unit 145	Windsor	ON	N8X 4X9		shar_lan@hotmail.com
Métis Nation of Ontario – Lands, Resources & Consultations Branch										consultations@metisnation.org

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Newspaper
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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 #SF8015 - SHERWOOD
 This route is located on Turner Dr. It has 109 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$37.01.

ROUTE #SF8025 - SHERWOOD
 This route is located on Bentley, Madison D'Andrea, & Oslo Cres. It has 70 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$23.80.

ROUTE #SF8026 - SHERWOOD
 This route is located on Turner Dr. It has 44 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$14.96.

ROUTE #SF8021 - SHERWOOD
 This route is located on Barrington, Oakham & Oakley. It has 53 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$18.02.

ROUTE #SF5014 - TOWNHOUSES
 This route is located on Carleton & Ross. It has 134 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$45.56.

ROUTE #SF4012
 This route is located on Collingwood. It has 47 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$15.87.

ROUTE #SF3005 - POINT EDWARD
 This route is located on Benjarvie, Charles Houser & Village Green. It has 57 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$19.38.

ROUTE #SF3003 - POINT EDWARD
 This route is located on Alexandra, Michigan & St. Clair. It has 55 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$18.70.

ROUTE #SF3004 - POINT EDWARD
 This route is located on Albert, Alexura, Charles & Michigan. It has 53 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$18.02.

ROUTE #SF242 - POINT EDWARD
 This route is located on Louisa, Albert, and Helena. It has 45 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$15.30.

ROUTE #SF3001 - POINT EDWARD
 This route is located on Arthur & Ernest. It has 44 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$14.96.

ROUTE #SF18
 This route is located on Cambrian, Ryerson & Tawny. It has 42 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$14.28.

ROUTE #SF4011
 This route is located on Exmouth, Maxwell, Nelson, and St. Vincent. It has 68 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$36.72.

ROUTE #SF4016
 This route is located on Collingwood, Cottenbury, Exmouth & Park. It has 103 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$35.00.

ROUTE #SF6001 - TWIN LAKES
 This route is located on Osgood & Twin Lakes. It has 80 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$27.20.

ROUTE #SF455
 This route is located on Cathcart & Marianna Pl. & Oakridge. It has 68 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$23.12.

ROUTE #SF457
 This route is located on Echo Rd. It has 70 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$27.20.

ROUTE #SF157
 This route is located on Giffel, Linden Way, Lombardy & Lockhart. It has 77 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$26.18.

ROUTE #SF424
 This route is located on Beverly & Windemere. It has 49 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$16.66.

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

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 SF1010 - CORUNNA - TOWNHOUSES
 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.

ROUTE SF2083 - WYOMING
 This route is located on Broadway & Brooke. It has 41 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$13.94.

ROUTE SF2808 - WYOMING
 This route is located on Front & Plymouth. It has 28 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$9.52.

ROUTE SF328 - CORUNNA
 This route is located on Bentinck St. It has 20 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$7.00.

ROUTE SF0100 - BRIGHTS GROVE
 This weekly route consists of 63 homes on Avenue Rd., Frances Land and Mary's Lane. Profit from this route is \$21.00 every two weeks.

ROUTE SF0346 - BRIGHTS GROVE
 A short time is required every week to cover 32 homes on Driftwood Ave. Profit from this route is nearly \$11.00 every two weeks.

ROUTE SF1000 - BRIGHTS GROVE
 Twenty-seven homes on this weekly route. The route cover Bluevale, Rivergate, Stonehollow Courts and Stoney Creek Dr. A carrier would realize a profit of \$9.00 every two weeks.

ROUTE SF1004 - BRIGHTS GROVE
 A profit of \$20.00 is realized on this route every two weeks. The route has 60 homes on Brookside Cr., Stonebrook Rd. and Stoneridge Cr.

ROUTE SF1007 - BRIGHTS GROVE
 Seventy-seven homes are on this weekly route. The route includes Bettina, Delta, Driftwood Cr., Elena and Morningside. A profit of \$26.00 is realized every two weeks.

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

THE OBSERVER

YOUNGSTERS, Seniors or Adults
Delivery Tuesday thru Fri. before 5:30,
Sat. before 12 noon
SARNIA
 These routes are going to be available soon.

Route SO424
 This route is located on Beverley Road. It has 10 daily customers and 49 flyers to be delivered once a week. (Thurs). Your profit every two weeks would be approx.\$30.16.

Route SO455
 This route is located on Cathcart & Oakridge Trail. It has 9 daily customers. Your profit every two weeks would be approx.\$12.15.

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

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Legal & Tender Notices

Notice of Commencement and Virtual Consultation & Engagement Event 1
 Terms of Reference for an Environmental Assessment
 Twin Creeks Environmental Centre Landfill Optimization Project

Waste Management of Canada Corporation (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, has initiated an Environmental Assessment (EA) seeking approval to optimize the landfill design and operation, maximizing the use of the constructed infrastructure and the significant investment made at the TCEC. The optimization could involve a vertical expansion of the landfill within the approved 101.8 ha Expansion Landfill footprint by modifying the side slopes and increasing the elevation of the landfill. This optimization could provide additional airspace of up to approximately 14M m³, which could extend the site life by approximately 12 years (from 2032 to 2044). There would be no change to the current 101.8 ha landfill footprint area, the approved service area, or the annual fill rate.

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 future development of the TCEC allows for on-going sustainable business operations and continued provision of essential financial support for community services and programs.

The TCEC is located in the Township of Wanwick near the Village of Watford, at the corner of Nauvoos Road and Zion Line (see Key Plan below). The purpose of the EA is to assess the potential effects of the proposed landfill optimization on the environment.

The Process
 The EA will be carried out in accordance with the requirements of the Ontario Environmental Assessment Act. The first step in the process is the preparation of a Terms of Reference. The Terms of Reference will set out the framework and work plan for addressing the Ontario Environmental Assessment Act requirements when preparing the EA, including such things as the alternatives that will be considered, and the public consultation and engagement activities that will be carried out. If approved by the Minister, the Terms of Reference will provide the framework and requirements for the preparation of the EA.

KEY PLAN

Consultation and Engagement
 Members of the public, agencies, Indigenous communities, and other interested persons are encouraged to actively participate in the Terms of Reference planning process by participating in consultation and engagement opportunities or contacting staff directly with comments or questions. Consultation and engagement opportunities are being planned throughout the process and will be advertised in local newspapers, on the project website www.wm.com/ca/en/twin-creeks-landfill-optimization-project and by direct and/or electronic mail (email).

WM invites you to attend **Virtual Consultation & Engagement Event 1** to introduce and provide an overview of the landfill optimization project, present the development and contents of the Terms of Reference, the EA process, and information on the rationale, proposed alternatives, and the consultation and engagement process that will be followed during the development of the EA. **Virtual Consultation & Engagement Event 1** is an online event accessible from the project website www.wm.com/ca/en/twin-creeks-landfill-optimization-project, which will run between **Tuesday, November 17 and Friday, December 4, 2020**. You are encouraged to participate by reviewing the information provided during the event and providing feedback.

In addition to participating in **Virtual Consultation & Engagement Event 1**, you are invited to submit your 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
 Waste Management of Canada Corporation
 6788 Nauvoos 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
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Published November 17, 2020

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BETTER BUSINESS BUREAU

Restrictions scale back Glencoe Remembrance Day service



The hundreds who usually attend the Glencoe Remembrance Day ceremony were not on hand, as per request, on November 11. Instead of the street being packed with parade members, a few members of the colour party stood socially distanced. Photo by Marie Williams-Gagnon, Hayter Publications



A handful of wreaths were laid in advance of the Remembrance Day ceremony in Glencoe on November 11 although the names of the usual wreath bearers were read out. There were no Cadets standing guard and the colour party stood socially distanced. Photo by Marie Williams-Gagnon, Hayter Publications



Legion member Bob Davenport looks on as Rev. Bonnie Rayner offers an invocation at the opening of the Remembrance Day ceremony in Glencoe. Photo by Marie Williams-Gagnon, Hayter Publications

by Marie Williams-Gagnon, Hayter Publications Inc.

For decades, large groups have gathered in Glencoe to honour those who have gone to battle experiencing freezing temperatures, sunshine, rain, snow and sleet but it was the COVID-19 pandemic that scaled the event back substantially in 2020.

Instead of a large parade leading the way from Glencoe Legion Br. 219 to the Main St. cenotaph, a small

colour party gathered there on November 11 with about 75 members of the public standing at a distance, the vast majority wearing masks.

Traffic on Main St. was halted for the duration of the shortened service that honoured those who had lost their lives or fought in the battles of the 20th century and those still serving the nation today.

Rev. Bonnie Rayner offered an opening invocation

before the singing of O Canada. Legionnaire Bob Davenport read the list of war dead from the community before the playing of the "Last Post", a time of silence and the sounding of "Reveille."

As per tradition, John Dobie did a flyover in his Second World War Chipmunk fighter aircraft during the ceremony.

Although only a handful of wreaths were laid in ad-

vanche, Davenport announced that they were in place representing the Government of Canada, the Province of Ontario, the Municipality of Southwest Middlesex, Reg Lovell Br. 219 Royal Canadian Legion, Legion Br. 219 Ladies Auxiliary, the Afghanistan War, the Canadian War Brides, UN NATO, 2884 Army Cadets, Middlesex OPP, Glencoe Firefighters, Glencoe Ministerial Assn., Oakland Cemetery,

Glencoe District Lions Club, Glencoe Lioness, Glencoe Elks, Glencoe Curling Club, Glencoe IOOF #133, Lorne Lodge 282, Knights of Columbus 7251, Glencoe Agricultural Society, Glencoe Horticultural Society, Girl Guides of Canada, Glencoe Historical Society, Silverdove Estates, the Celebrate Community Committee, Southwest Bullets Minor Hockey, CUPE Local 757, Glencoe District High

School, St. Charles, Mosa and Ekcoe.

The service ended with the reading of "In Flander's Fields," a prayer and the singing of God Save the Queen.

Instead of the annual Remembrance Day banquet being held that evening, a drive-thru roast beef dinner was sold out weeks in advance.

Melbourne/Middlemiss Fundraiser benefits Melbourne Legion



Charlotte Hansen, husband David Graham and their children Logan and Charlee presented a \$1,500 donation to Melbourne Legion first vice-president Glen Jeffery recently. The funds were raised from the sale of masks.

by JoAnn Galbraith

What initially started as a home project for two kids evolved into a project involving the sewing of over 280 face masks, some having different designs, measurements and sizes than another. After Charlotte Hansen of St. Thomas had generously supported Sandra Fisher of London with assistance in the form of fabric supplies, that tremendously helped with the fundraiser, she was able to graciously donate some money to the Royal Canadian Legion in St. Thomas. She travelled to Royal Canadian

Legion Melbourne Br. #510 on Saturday, November 14, accompanied by her spouse David Graham and their children Logan Graham and Charlee Hansen. The couple have ties to Melbourne with David's mother living in the village. In the past, they have enjoyed some of the monthly Legion breakfasts, which have been suspended due to COVID-19. The cheque for \$1,500 was received by Melbourne Legion representative, first vice-president Glen Jeffery.

Due to the wind and rain on Sunday, November 15,

the hamlet of Middlemiss was one of the areas that lost electricity from 3:30 to 9:00 p.m.

Birthday greetings to the hamlet of Middlemiss that will be celebrating its 144th birthday on Saturday, November 21.

Also celebrating birthdays are Herb Lucas, John Galbraith marking the big '60', Michelle Steen, Robert Stover, Bill Graff, Candy Thomas, Blair Carruthers and Marissa Jolley.

WM
WASTE MANAGEMENT

Notice of Commencement and Virtual Consultation & Engagement Event 1
Terms of Reference for an Environmental Assessment
Twin Creeks Environmental Centre Landfill Optimization Project

Waste Management of Canada Corporation (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Wainford, Ontario, has initiated an Environmental Assessment (EA) seeking approval to optimize the landfill design and operation, maximizing the use of the constructed infrastructure and the significant investment made at the TCEC. The optimization could involve a vertical expansion of the landfill within the approved 101.8 ha Expansion Landfill footprint by modifying the side slopes and increasing the elevation of the landfill. This optimization could provide additional capacity of up to approximately 14M m³, which could extend the site life by approximately 12 years (from 2032 to 2044). There would be no change to the current 101.8 ha landfill footprint area, the approved service area, or the annual fill rate.

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 future development of the TCEC allows for on-going sustainable business operations and continued provision of essential financial support for community services and programs.

The TCEC is located in the Township of Warwick near the Village of Wainford, at the corner of Nauvoo Road and Zon Line (see Key Plan below). The purpose of the EA is to assess the potential effects of the proposed landfill optimization on the environment.

The Process

The EA will be carried out in accordance with the requirements of the Ontario Environmental Assessment Act. The first step in the process is the preparation of a Terms of Reference. The Terms of Reference will set out the framework and work plan for addressing the Ontario Environmental Assessment Act requirements when preparing the EA, including such things as the alternatives that will be considered, and the public consultation and engagement activities that will be carried out. If approved by the Minister, the Terms of Reference will provide the framework and requirements for the preparation of the EA.

KEY PLAN

Consultation and Engagement

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Wayne Jenkan Area Landfill Manager, Eastern Canada Area Waste Management of Canada Corporation 5768 Nauvoo Road, Wainford, ON N1M 2S0 Phone: 519-849-5810 E-mail: wjjenkan@wm.com	Larry Fickes, P.Eng. M.B.A. Solid Waste Program Lead, Canada HDR Corporation 100 York Blvd., Suite 300, Richmond Hill, ON L4B 1J8 Phone: 299-695-4696 E-mail: larry.fickes@hdrinc.com
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Published November 17, 2020

44-2

Tribute to the Florence Chicks

Heather Wright
The Independent

If she could, Kathy Huiting would grab her mitt and head out to the diamond, just like she did as a teen in Florence.

And standing in front of a new sign in Florence, you can imagine she probably could still hit a few.

Huiting - who was called by her second name, Jeannie, at the time - was one of the renowned Florence Chicks.

She lives in Tilbury now, but travelled to Florence after hearing from her niece, Ruth Mater, about a sign which appeared at the entrance to the town.

The tribute to one of the village's most famous teams went up mysteriously in early fall paying tribute to the team which was founded in 1950 and won several Ontario Women's Softball Championships.

The sign became the talk of the village since no one knew who put the billboard up.

That didn't matter much to Huiting. When her niece called to tell her about the billboard, Mater says she was very excited.

In a couple of days, Huiting and her daughter were in Florence, posing in front of the sign.

It's not surprising someone would want to pay tribute to the team. It was likely the most successful sports franchise ever in Florence.

The Florence Chicks were formed in 1950 by Wilber North, the local chick dealer, to play in the local women's league.

Like the famous movie "League of Their Own" the girls played in skirts and played to win.

Huiting was the youngest player, joining the team at just 15.

Jeannie had been playing baseball for a while. She grew up with nine brothers and joined them on the baseball field as often as she could scrambling after the balls they hit. Soon, they were encouraging her to play. "They kind of got me out there, trying to pitch," she says.

North knew Huiting's brother - who eventually helped with the team.

North came to the family farm to recruit her. Most of the women were married and many had children who made road trips with the team to places as far away as Bala, Scarborough and Parry Sound.

The Women's played twice a week from the May long weekend until the playoffs in October. And The Chicks were in the playoffs often.

The team won the Lambton-Kent League championship the first year. They got off to a rough start in year two, losing nine in a row, before thundering back to win the provincial championship - a feat the team would repeat five times.



Kathy Huiting - a former Florence Chick - poses in front of a sign erected in Florence recently.

Huiting didn't play that long with The Chicks. The pitcher and fielder married young and moved away. But it wasn't the end of her baseball career. North called up one of the coaches in Toronto and soon, Huiting was playing for a Toronto team.

Huiting says her ball-playing days are filled with wonderful memories. "I loved every minute of it," she says. "I'd rather do that than eat when I was a kid.

"I was really into it I guess because the whole family played ball."

Huiting loved the time with The Chicks who were very popular in Florence. The team regularly drew crowds of up to 1,000 people. The crowds could swell to 2,000 during playoff events.

And while the fans loved the team, the team loved the community. The women raised money, including having bake sales, to help pay for new bleachers and lights for the ball park. It is no wonder that the community still remembers the team even though Huiting is one of just two members still living.

The Chicks were immortalized in 2003 when the team was inducted into the Dresden Sports Hall of Fame. The sign erected in Florence keeps The Chicks in the minds of residents now.

Huiting appreciates the new sign, even though those baseball memories are fresh in her mind. "I really enjoyed it. If I could get out there today, I would do it again."

Justice OKs Christmas with kids before jail time

Alex Kurial
Local Journalism Initiative

Justice Anne McFadyen was already in the holiday spirit as she delayed a Sarnia man's incarceration until after Christmas.

Brandon Darcy, 26, pled guilty to drug trafficking and possession charges, and driving with a disqualified license Nov. 2.

Darcy already has a long criminal record, which his lawyer Nick Cake acknowledged would result in jail time at sentencing said Darcy wanted to keep working to make money for his kids and spend Christmas with them.

The request was anything but automatic given Darcy's latest crimes and history. He'd been in court three times for driving convictions ranging from dangerous

operation to driving while suspended.

In Aug. 2019, Darcy was robbed at a motel where he was staying. Police said he knew the men. Darcy jumped in a truck and followed them, crashing it and fleeing. Drugs and cash were found at the scene.

Six days later, Darcy fled from police in a Ford Focus. When police finally stopped him, Darcy was in the backseat. A search of the car found just under an ounce of fentanyl and some meth. Darcy also handed over \$1,100 cash that was in his shoe.

Despite Darcy's continued flaunting of driving laws, McFadyen agreed since he is likely looking at years behind bars, he could be given some extra time to make some money for his children and spend Christmas with them. Darcy will return for sentencing on Feb. 22.

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FROM 5:00PM - 7:00PM
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\$20/meal

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Meals to be picked up at the Alvinston arena.

FROM 6:00PM - 7:00PM
SANTA CLAUS!

Santa will be at the arena parking lot with **FREE** candy and bottled beverages for all ages. Also, pick up your map for the Parade & Most Spirited Christmas Home & Business Tour there as well.

DRIVE THROUGH PARADE

The annual Santa Claus parade will be slightly different this year. Floats will be placed along streets in Alvinston. We invite people of all ages to drive through the town to view the them! Register your float at www.alvinstonoptimist.com by Friday, December 11th at 7pm.

1st Place \$500.00
2nd Place \$300.00
3rd Place \$150.00

MOST SPIRITED CHRISTMAS HOME & BUSINESSES TOUR

NEW this year to the village of Alvinston proper only! Show off your Christmas spirit in front of your home, apartment or business (must be visible from the road). Decorate, play music, etc. The residence or business with the most Christmas spirit will win:

1st Place \$500.00
2nd Place \$300.00
3rd Place \$150.00

Homes/apartments/businesses are judged at the same time as the floats. To register your address go to www.alvinstonoptimist.com by Friday, Dec. 11th at 7pm. For more information text/call: 519-490-5393.

Notice of Commencement and Virtual Consultation & Engagement Event 1 Terms of Reference for an Environmental Assessment Twin Creeks Environmental Centre Landfill Optimization Project

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Sarnia & Lambton County This Week

Carriers Deliver Every Thursday
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ROUTE #SF8015 - SHERWOOD
This route is located on Trudeau Dr. It has 109 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$37.01.

ROUTE #SF8025 - SHERWOOD
This route is located on Bentley, Madison D'Andrea, & Oelo Cres. It has 70 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$23.80.

ROUTE #SF8026 - SHERWOOD
This route is located on Turner Dr. It has 44 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$14.96.

ROUTE #SF8021 - SHERWOOD
This route is located on Barrington, Oakbum & Oakley. It has 53 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$18.02.

ROUTE #SF8010 - SHERWOOD
This route is located on Frost Ave. and Cr.; and Hanna. It has 97 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$32.98.

ROUTE #SF5014 - TOWNHOUSES
This route is located on Carlton & Ross. It has 134 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$45.56.

ROUTE #SF4012
This route is located on Collingwood. It has 47 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$15.87.

ROUTE #SF3005 - POINT EDWARD
This route is located on Benjarvie, Charles Houser & Village Green. It has 57 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$19.38.

ROUTE #SF3003 - POINT EDWARD
This route is located on Alexandra, Michigan & St. Clair. It has 55 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$18.70.

ROUTE #SF3004 - POINT EDWARD
This route is located on Albert, Alexandra, Charles & Michigan. It has 53 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$18.02.

ROUTE #SF242 - POINT EDWARD
This route is located on Louisa, Albert, and Helena. It has 45 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$15.30.

ROUTE #SF3001 - POINT EDWARD
This route is located on Arthurs & Ernest. It has 44 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$14.96.

ROUTE #SF18
This route is located on Cambrian, Ryerson & Tawny. It has 42 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$14.28.

ROUTE #SF4011
This route is located on Exmouth, Maxwell, Nelson, and St. Vincent. It has 68 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$36.72.

ROUTE #SF4016
This route is located on Collingwood, Cotterbury, Exmouth & Park. It has 103 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$35.00.

ROUTE #SF6001 - TWIN LAKES
This route is located on Diagon & Twin Lakes. It has 80 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$27.20.

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This route is located on Cathcart & Marianna Pl. & Oakridge. It has 68 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$23.12.

ROUTE #SF457
This route is located on Echo Rd. It has 70 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$27.20.

ROUTE #SF157
This route is located on Giffel, Linden Way, Lombardy & Lockhart. It has 77 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$26.18.

ROUTE #SF424
This route is located on Beverly & Windmere. It has 49 flyers to be delivered once a week on Thursday. Your profit every two weeks would be approx. \$16.66.

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

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 SF1010 - CORUNNA - TOWNHOUSES
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.

ROUTE SF2803 - WYOMING
This route is located on Broadway & Brooke. It has 41 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$13.94.

ROUTE SF2808 - WYOMING
This route is located on Front & Plymouth. It has 28 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$9.52.

ROUTE SF328 - CORUNNA
This route is located on Bentinck St. It has 20 flyers to be delivered once a week (Thurs.). Your profit every two weeks would be approx. \$7.00.

ROUTE SF0346 - BRIGHTS GROVE
A short time is required every week to cover 32 homes on Driftwood Ave. Profit from this route is nearly \$11.00 every two weeks.

ROUTE SF1007 - BRIGHTS GROVE
Seventy-seven homes are on this weekly route. The route includes Bettina, Delia, Driftwood Cr., Elena and Morningside. A profit of \$26.00 is realized every two weeks.

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

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Route SO424
This route is located on Beverley Road. It has 10 daily customers and 49 flyers to be delivered once a week. (Thurs). Your profit every two weeks would be approx.\$30.16.

Route SO455
This route is located on Cathcart & Oakridge Trail. It has 9 daily customers. Your profit every two weeks would be approx.\$12.15.

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

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Wayne Jenken
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WM
WASTE MANAGEMENT

Notice of Commencement and Virtual Consultation & Engagement Event 1
Terms of Reference for an Environmental Assessment
Twin Creeks Environmental Centre Landfill Optimization Project

Waste Management of Canada Corporation (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, has initiated an Environmental Assessment (EA) seeking approval to optimize the landfill design and operation, maximizing the use of the constructed infrastructure and the significant investment made at the TCEC. The optimization could involve a vertical expansion of the landfill within the approved 101.8 ha Expansion Landfill footprint by modifying the side slopes and increasing the elevation of the landfill. This optimization could provide additional airspace of up to approximately 14M m³, which could extend the site life by approximately 12 years (from 2032 to 2044). There would be no change to the current 101.8 ha landfill footprint area, the approved service area, or the annual fill rate.

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 future development of the TCEC allows for on-going sustainable business operations and continued provision of essential financial support for community services and programs.

The TCEC is located in the Township of Warwick near the Village of Watford, at the corner of Nauvoo Road and Zion Line (see Key Plan below). The purpose of the EA is to assess the potential effects of the proposed landfill optimization on the environment.

The Process

The EA will be carried out in accordance with the requirements of the Ontario Environmental Assessment Act. The first step in the process is the preparation of a Terms of Reference. The Terms of Reference will set out the framework and work plan for addressing the Ontario Environmental Assessment Act requirements when preparing the EA, including such things as the alternatives that will be considered, and the public consultation and engagement activities that will be carried out. If approved by the Minister, the Terms of Reference will provide the framework and requirements for the preparation of the EA.

KEY PLAN

Consultation and Engagement

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Published November 17, 2020

44-2

MOH says we 'could be in the same boat' as the rest of Ontario

Heather Wright
The Independent

Lambton County is one of the few communities left in the province in the green zone. Earlier this month, the province set up a colour-coded system of milestones to help health officials and the province determine which communities should face more restrictions to help curb the spread of COVID-19. Just a week after it was introduced, Toronto and Peel were placed in lock down as the number of people diagnosed daily with the virus hit between 1,000 and 1,600 on a regular basis.

While the GTA is seen as the hot spot of Ontario, many municipalities are seeing cases rise during the second wave of the pandemic. But that hasn't really been the case in Lambton. This week there were 12 new cases, bringing the number of people who are sick with COVID-19 to 17 in the entire county. Since March, 402 people have become ill with the virus. Compare that with Toronto, which on Tuesday alone recorded 497 cases. During his regular Monday news conference, Lambton's Medical Officer of Health, Dr. Sudit Ranade was asked why Lambton

seems to be doing so well. His answer - it's people following the guidelines and a little bit of luck. "I don't think that there's anything fundamentally different here. I know that many people in our community take this issue very seriously, but I think that that's the same across the province. "I know that we've been doing our best to identify and track and isolate cases and I think that's similar across the province, too. "I think that we've also been trying to be very clear about our expectations for people and keep them as practical and as sustainable as possible. But again, I think it would be premature to draw any

conclusions about what we're doing differently" And he says, people in Lambton have to be aware that just because things are okay here now, it could all change. "You know how this all works, we could get a whole influx of cases tomorrow, and, we're all here hoping that doesn't happen. But it could and then we would be very shortly in the same boat as everyone else." Ranade admits in some ways, the colour coding system gives people a false sense of security. "I wouldn't want to just play up this idea that, oh, we're in green, everyone can do what they want

here. That's not true. And the way that you move from green to yellow to orange is people thinking that ...because they're green, it is safer...because the background prevalence of disease is low. We know that can change day-to-day. Ranade says it is important to follow the public health measures to keep the community safe. "The numbers are not as important as what everybody is doing, and what everybody needs to do, regardless of whether we're green, or yellow, or orange or red is reduce your unnecessary social contacts as much as possible, because that's the only way you stay in the green."

Petrolia businesses earn top honours

Heather Wright
The Independent

Two Petrolia businesses have earned top honours this week. Albany Retirement Village won silver in the Workers' Safety Insurance Board's Small Business Leadership awards. Jenna Simpson says the retirement home was honoured for the measures it took during the pandemic to protect both the health and safety of their residents and their staff. Simpson says the retirement home was ahead of the curve as the province started to come to grips with the severity of the worldwide pandemic. Simpson would read reports from the World Health Organization to understand how the virus worked and what the home could do to be prepared. "In the early days, we were ahead of a lot of the government mandates. We were ahead on, lockdown measures, in restricting contract workers who worked in multiple locations because of the risk of facility to facility transmission, Simpson says. "When we weren't sure about the safety of grocery stores, we were ordering food for our staff through our commercial suppliers," she added noting it became clear early on that the employees would have to be careful not to bring the virus into the home. "We purchase groceries for the entire household, we were trying to make people aware that actions of their entire household would influence the health and safety of the retirement home." To date, Albany Retirement Village has managed to keep COVID-19 at bay while other long term care homes struggle. But Simpson is aware, they are not out of the woods yet as the second wave of the virus moves through Ontario. "I think part of our success is constantly reassessing risk and constantly monitoring the situation, because it's a moving target." While Albany Retirement Village was honoured for health and safety, you might say Jaclyn Sanders is being honoured for pleasure. The head of Guild Chocolate in Petrolia has won a gold, four silver and three bronze medals for her creations in the Canadian Chocolate Awards. Sanders says her chocolates have to meet a set standard to reach the gold medal standard. Sanders has been entering the Canadian championships for a number of years and says the judges can be blunt and brutal with their comments. But, in the end, it improves her work and the chocolates she produces. Sometime in the next few months, she'll pack up samples of her gold winning Passion Praline Bonbon and a number of the silver winning concoctions to go to the worlds. And while she is pleased to be recognized, she hopes the recognition doesn't just drive people to her business, but instead makes the recognize what good products can be found in Petrolia. "People can't imagine they can find good chocolate or good theater in Petrolia," she says. "Hopefully this is showing that Petrolia is not just some small backwater town - there is quality here."

PW repairing shoreline at Lamrecton

Plympton-Wyoming will spend \$366,000 to secure the 54 meters of shoreline at Lamrecton Park this year. The town has been making improvements to the former summer camp all year, however the waves and high water levels have been damaging the beach's shoreline. In a report to council, CAO Carolyn Tripp says the property owners beside the park have been making improvements to their shorelines. The town hired an engineer to look at the park's shoreline. Engineers said the town could reinforce the shoreline with either steel or armour stone - a method preferred by conservation authority officials in the past. Council agreed to place a single layer of armour stone in at the park to stop the destruction of the shoreline this year at a cost of \$366,000. While the design provides stability for the shoreline with a smaller amount of stone, the engineer says skilled contractors will need to be used to make sure the stone is placed correctly and the toe of the structure will be deep into the ground to prevent further erosion..

Dawn-Euphemia mourns loss of firefighter

The Independent

Dawn-Euphemia firefighters are mourning the loss of one of their own. Dalles Bergsma died suddenly Monday according to Fire Chief Don Ewing. At press time, Ewing said he was not aware what had happened, only that the young man who had ably served the department the last five years had passed away.

"Dalles was a great type of guy. He he dropped anything he was doing to give you a hand at any time. That was just the type of guy he was. He was one of our one of our very reliable guys...a very nice, personable young man," says Ewing. He hopes the department can find a way to honour him in time. But he says they will respect the wishes of his family. Bergsma leaves behind his wife, Michelle.



Notice of Commencement and Virtual Consultation & Engagement Event 1 Terms of Reference for an Environmental Assessment Twin Creeks Environmental Centre Landfill Optimization Project

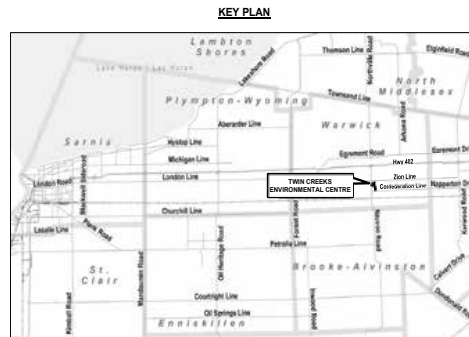
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Consultation and Engagement

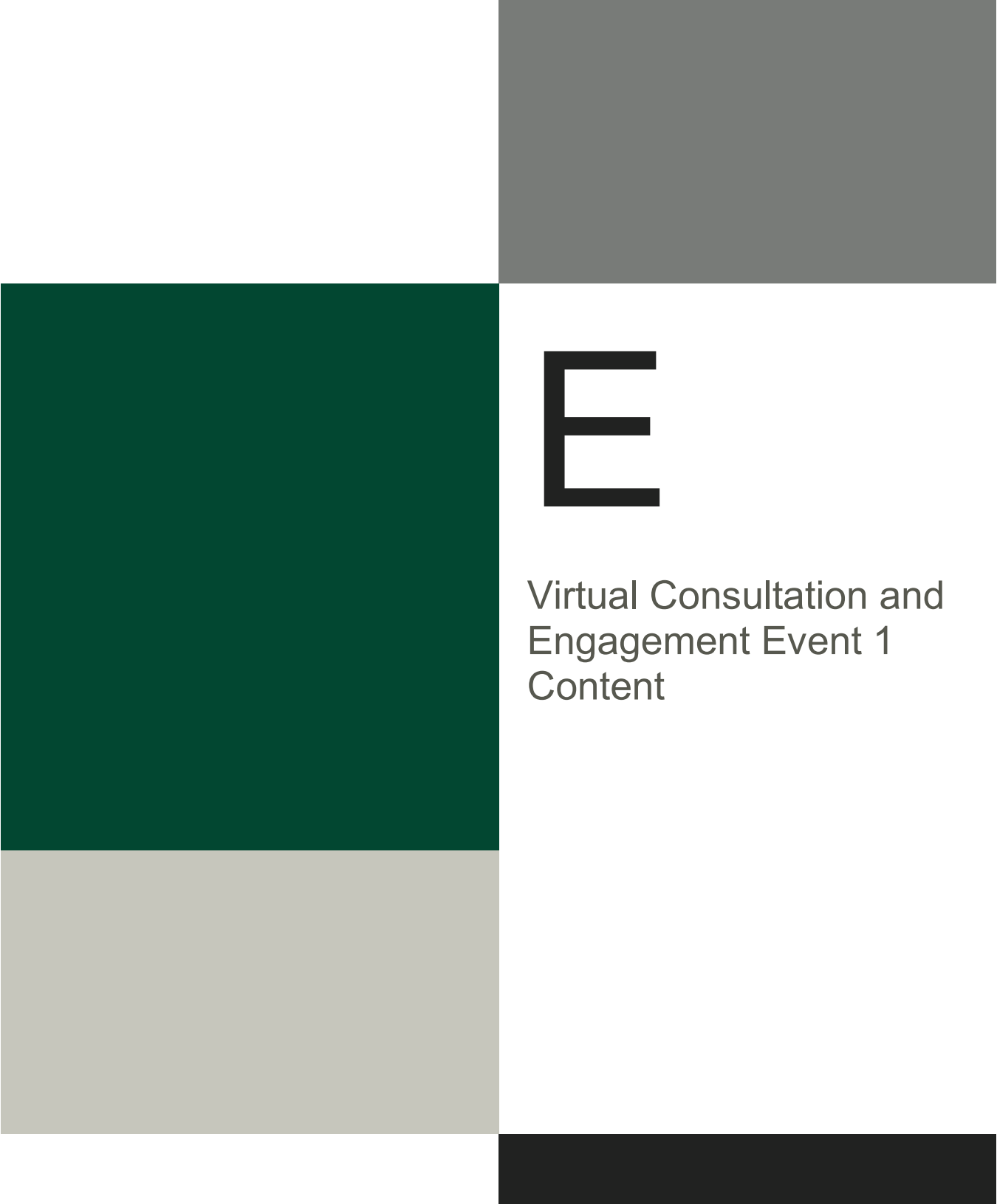
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The page features several large, solid-colored rectangular blocks. A dark green block is on the left side, extending from the top to the middle. A grey block is at the top right. A light grey block is at the bottom left. A dark grey block is at the bottom right. The letter 'E' is positioned to the right of the green block.

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Virtual Consultation and Engagement Event 1 Content

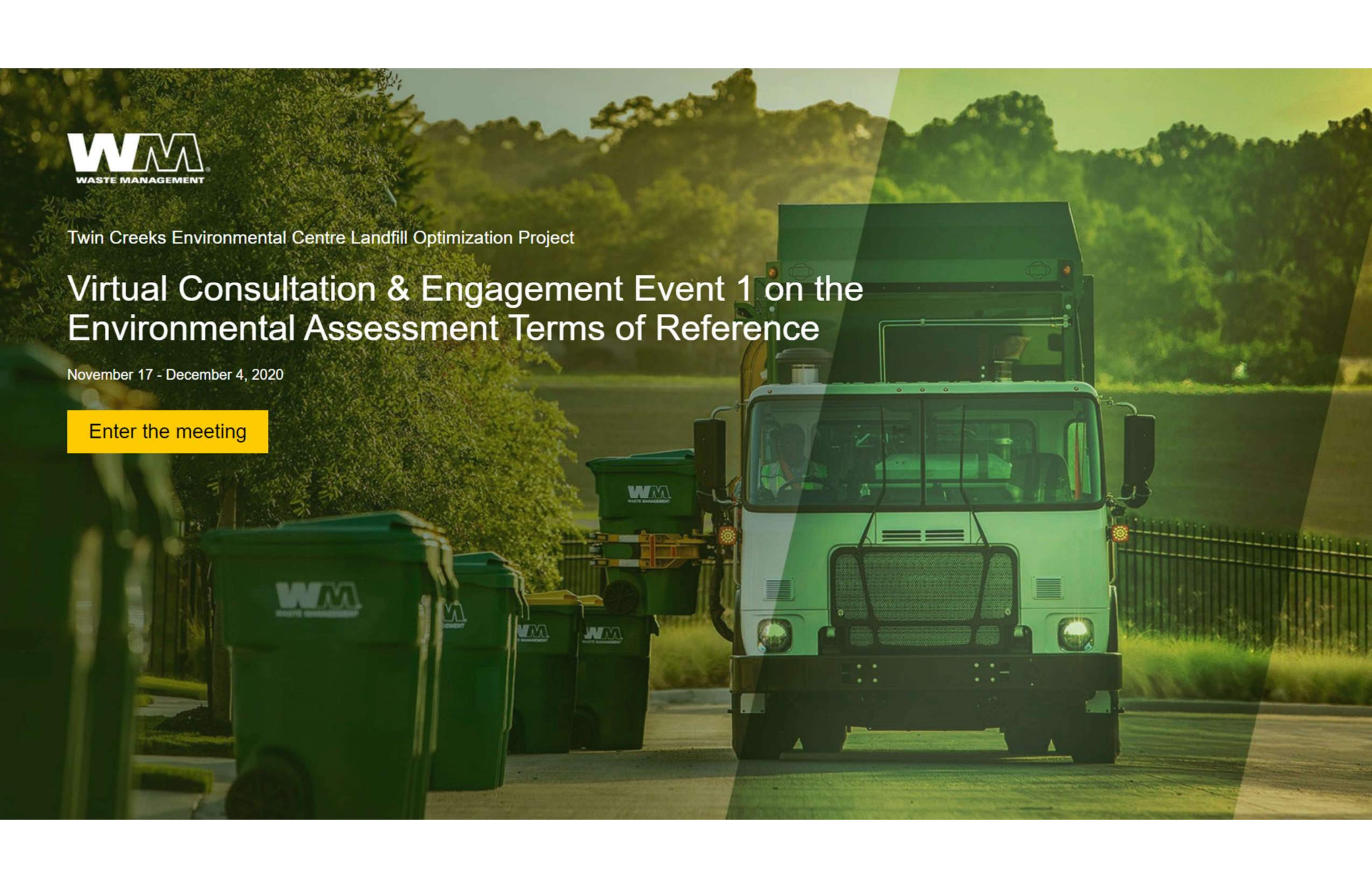


Twin Creeks Environmental Centre Landfill Optimization Project

Virtual Consultation & Engagement Event 1 on the Environmental Assessment Terms of Reference

November 17 - December 4, 2020

[Enter the meeting](#)



WELCOME

Welcome to **Virtual Consultation & Engagement Event 1** for the Environmental Assessment (EA) Terms of Reference of the Twin Creeks Environmental Centre (TCEC) Landfill Optimization Project

This Virtual Consultation & Engagement Event is being held to present:

- An overview of the project
- The development and contents of the Terms of Reference (ToR)
- The EA process
- Information on the:
 - Rationale
 - Proposed alternatives
 - Consultation and engagement process

We are looking for your feedback on:

- Your interest in the project
- The format of this event
- Current site operations
- The rationale for the project
- Proposed alternatives and evaluation criteria
- The consultation and engagement program
- Other considerations for ToR development



- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site
Select Language



ABOUT TWIN CREEKS

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

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About the Twin Creeks Environmental Centre

The Twin Creeks Environmental Centre (TCEC) is a regional facility that provides safe and convenient disposal services for communities, businesses and industries serving the Province of Ontario. The landfill is approved to receive municipal, industrial, commercial, and institutional solid non-hazardous wastes generated, including non-hazardous contaminated soil.

The TCEC is engineered with environmental protection systems that meet or exceed regulatory requirements and are subject to highly regulated monitoring and reporting requirements. Systems include engineered liners and covers, leachate collection and removal, landfill gas collection and control, and on-site leachate disposal through phytoremediation.

The TCEC provides landfill gas, for heating, to the 40 acre greenhouse facility adjacent to the landfill property. Prior to this, all landfill gas was flared. The intent is for the landfill to supply gas for heating to the greenhouses for 25 years.

Leachate that is generated in the waste is conveyed toward a perimeter leachate collection system. WM received approval to treat leachate through a phytoremediation system consisting of a 9.3 ha poplar system planted on the existing landfill cap in 2003. Surplus leachate is trucked off-site to approved wastewater treatment plants.

WM pays host community fees annually to the Township of Warwick. Since 2009, when the TCEC Expansion Landfill began receiving waste, WM has contributed over \$23M in host community fees to the Township.

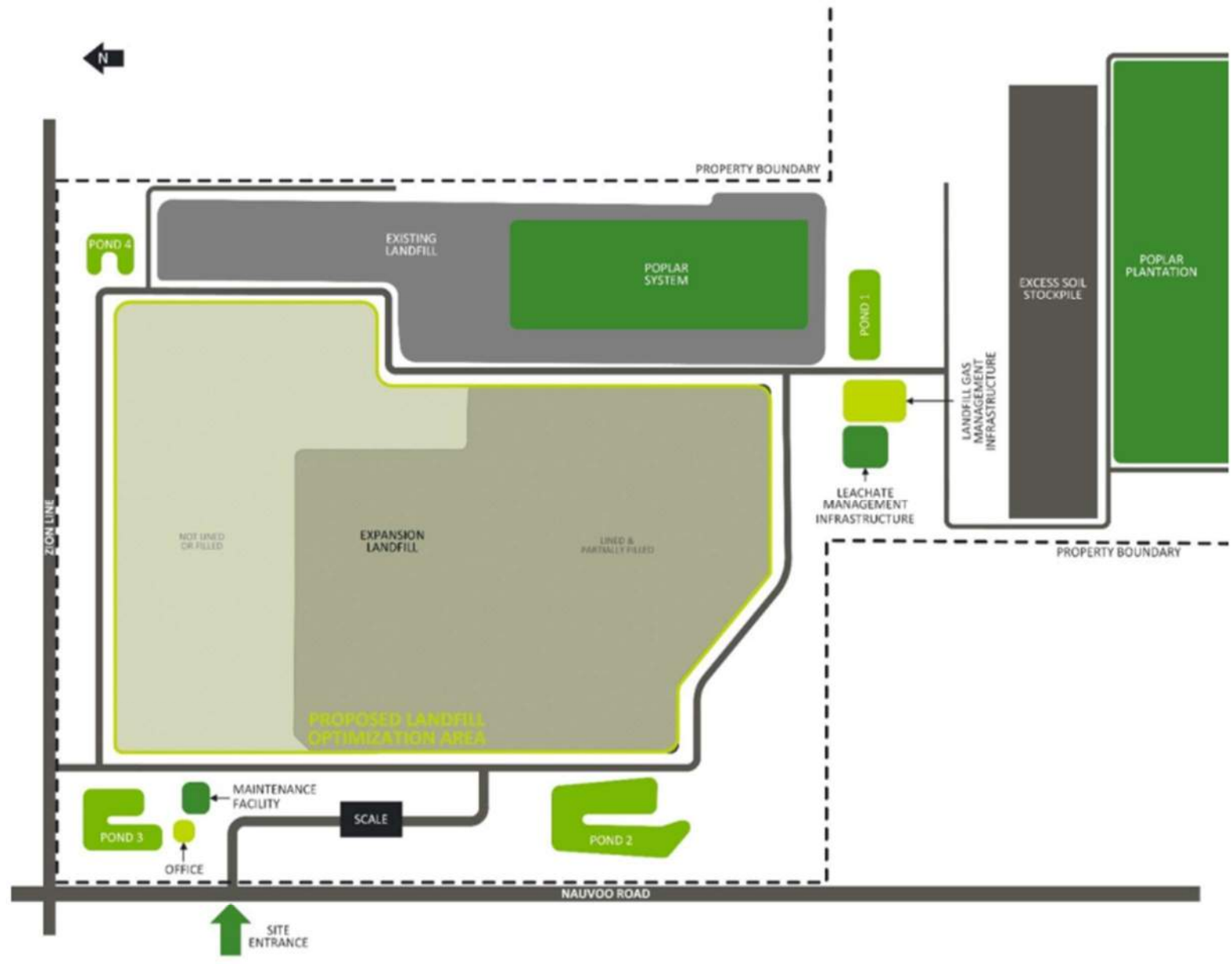
Twin Creeks Environmental Centre Overview	
Year Opened	1972
First Year Operated by WM	1996
Projected Life Remaining	12 years
Total Area	301 ha
Permitted Landfill Footprint	101.8 ha
Remaining Capacity	15M m ³
Annual Fill Rate	1.4M tonnes/year

PROJECT OVERVIEW

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

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The purpose of the proposed project is to **optimize the Expansion Landfill design and operation**, maximizing the use of the constructed infrastructure and significant investment made at the TCEC.

The optimization could involve a **vertical expansion of the landfill within the Expansion Landfill footprint** by modifying the sideslopes and increasing the elevation of the landfill.

This optimization could provide additional airspace of up to approximately 14M m³, and extend site life by approximately 12 years (from 2032 to 2044).

There would be **no change** to the:

- current 101.8 ha landfill footprint area
- approved service area
- annual fill rate

ENVIRONMENTAL ASSESSMENT PROCESS

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

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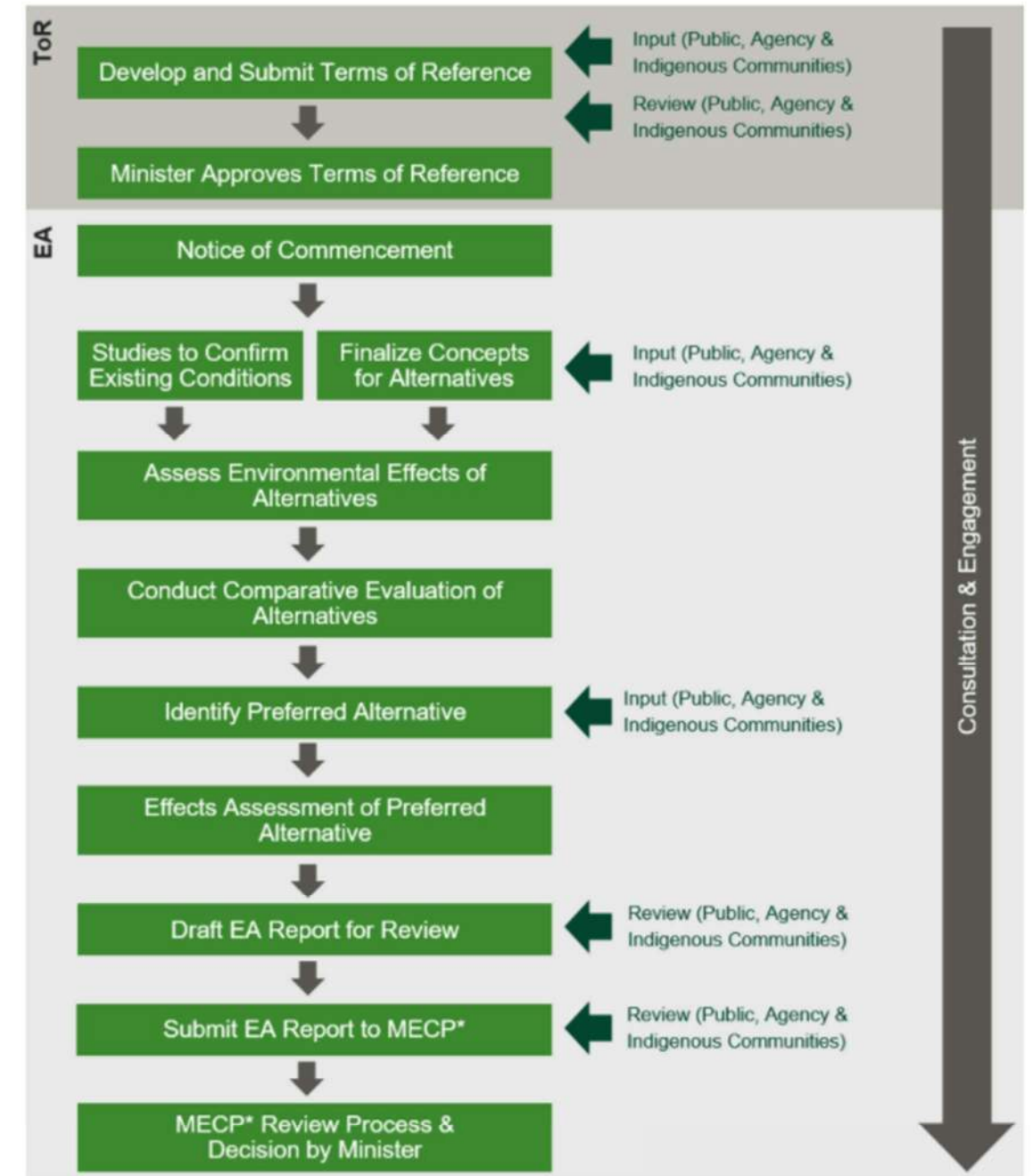
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The first step in the Environmental Assessment (EA) process is the preparation of a **Terms of Reference (ToR)**, which requires approval by the Minister of Environment, Conservation and Parks.

The ToR will set out the framework and work plan for addressing the Ontario Environmental Assessment Act requirements when preparing the EA, including:

- Rationale for the project
- Alternatives that will be considered
- Public consultation and engagement activities that will be carried out

The EA will be carried out in accordance with the requirements of the Ontario Environmental Assessment Act and the approved Terms of Reference and conditions of approval.



*MECP = Ministry of Environment, Conservation and Parks



RATIONALE FOR THE UNDERTAKING

- There is a need for the continued development of the TCEC. The TCEC is a significant component of the provincial waste management network and infrastructure, which is lacking in sufficient and secure long-term disposal capacity.
- The Ontario Waste Management Association has estimated that there is only 14 years of disposal capacity remaining in Ontario.
- There are three large private landfill sites in southern Ontario, including the TCEC, all operating at their approved annual limits.
- Continued operation of the TCEC aligns with 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 to reduce litter and waste in communities.
- Approximately 3.5M tonnes of post recycling and diversion residual waste generated in Ontario is disposed of in Michigan each year.
- The TCEC receives 1.4M tonnes of post recycling and diversion residual waste. Approximately 20% is managed directly by WM with the remainder controlled by third parties.
- 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 approvals 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 12 years of capacity.

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site
Select Language

ALTERNATIVES TO THE UNDERTAKING

WM has identified a range of 'alternatives to' the undertaking (or 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 via landfill optimization at the TCEC within the currently approved Expansion Landfill footprint of 101.8 ha.
5. Develop additional disposal capacity within the 301 ha TCEC including areas outside of the Expansion Landfill footprint.



The 'alternatives to' were considered in the context of their ability to address the business opportunity identified by WM.

Landfill optimization within the Expansion Landfill footprint (Option 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 on-site on top of previously-closed landfilled areas or closer to Watford.
- 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.

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

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ALTERNATIVE METHODS

Alternative methods are different ways of implementing the preferred 'alternative to' the proposed undertaking (project).

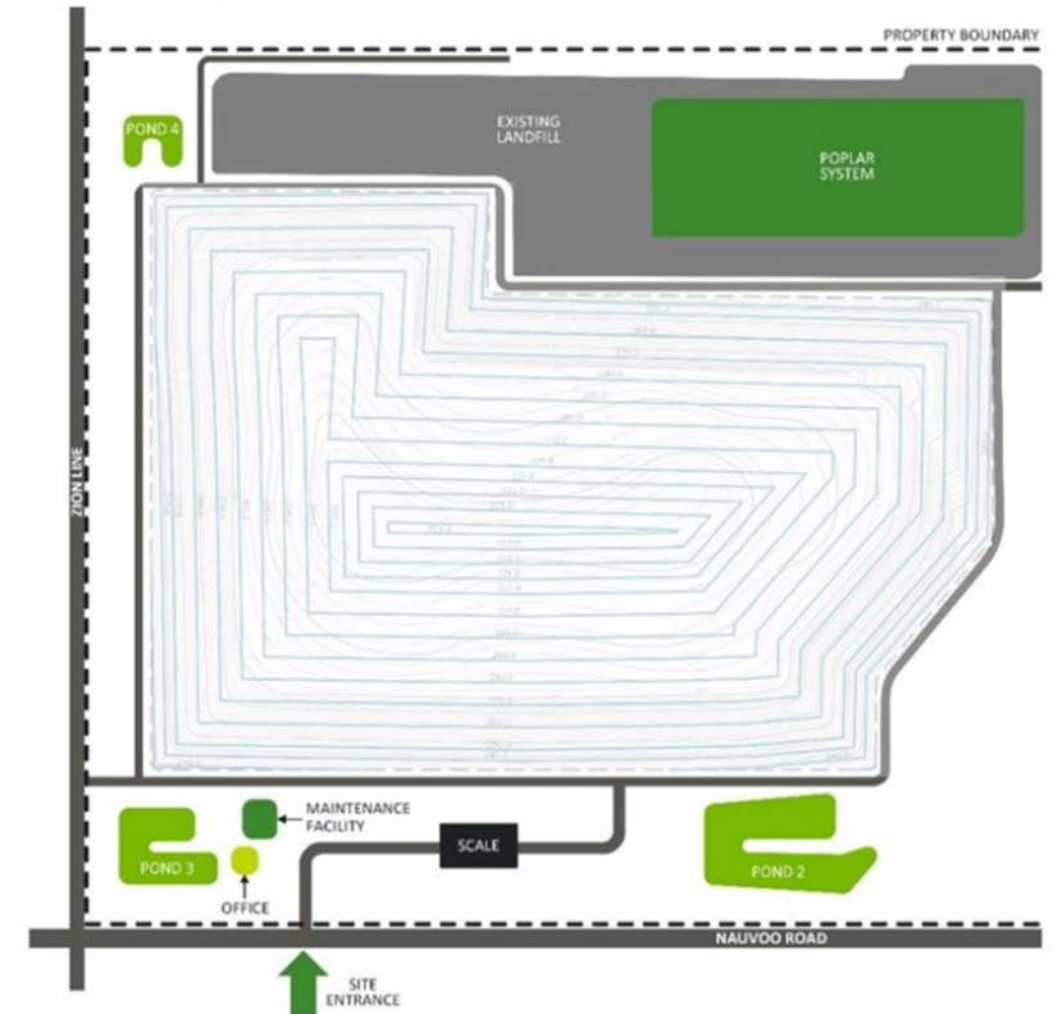
The landfill optimization would involve a **vertical expansion within the current Expansion Landfill footprint** by modifying the side slopes and increasing the elevation of the landfill.

The approved airspace capacity within the Expansion Landfill is achieved with 4:1 side slopes to an elevation of 265.7 metres above sea level (masl) and then with 20:1 side slopes up to the landfill peak elevation of 280 masl. The existing ground elevation in the area is approximately 245 masl.

Alternative methods for vertical expansion may include:

- 4:1 side slopes to 300 masl, then 20:1 slope to peak (304 masl)
- 3:1 side slopes to 300 masl, then 20:1 slope to peak (307 masl)
- 4:1 side slopes to 320 masl (peak)
- 3:1 side slopes to 320 masl, then 20:1 slope to peak (324 masl)

The optimization of the approved Expansion Landfill could provide additional airspace capacity of up to approximately 14M m³.



- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site

Select Language

EVALUATION PROCESS AND CRITERIA

The proposed **evaluation process** for the EA includes:

- Describing the environment potentially affected (existing conditions) based on evaluation criteria
- Describing the conceptual design details for the alternative methods (i.e., various slope and peak scenarios), including 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 method
- Consideration of cumulative effects and climate change

Proposed **evaluation criteria** will consider potential effects on:

- **Natural Environment**
 - Atmospheric Environment (Air Quality, Noise, Odour)
 - Geology, Hydrogeology, and Groundwater (Quality and Quantity)
 - Surface Water Environment (Quality and Quantity)
 - Ecological Environment (Terrestrial and Aquatic Ecosystems)
- **Socio-Economic Environment**
 - Economic effects/benefits
 - Local community
 - Visual landscape
- **Cultural Environment**
 - Archaeological and Cultural Heritage Resources
- **Built Environment**
 - Transportation
 - Current and Planned Future Land Use

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site

Select Language

STUDY AREAS AND SUPPORTING STUDIES

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site
Select Language

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 assessment of alternatives based on the evaluation criteria, considering the:

- Description of the environment potentially affected
- Prediction of potential effects on the environment for each alternative
- Identification of mitigation measures and potential net effects on the environment for alternatives considered
- Comparative evaluation of the alternatives





CONSULTATION AND ENGAGEMENT

Members of the public, agencies, Indigenous communities, and other interested persons are encouraged to actively participate in the planning process by participating in consultation and engagement opportunities or contacting staff directly with comments or questions.

Consultation and engagement opportunities are being planned throughout the ToR and EA process and will be advertised in local newspapers, on the project website, and by direct and/or electronic mail (email).

While the COVID-19 pandemic is limiting our ability to meet with you in person to discuss the project, WM is committed to on-going consultation and engagement with our neighbours and anyone with an interest in the project. We will be working to determine how best to conduct these activities in a way that is respectful of personal safety and physical distancing guidelines.



- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site

Select Language



NEXT STEPS

Input received through this virtual consultation and engagement event and other comments received will be used to develop and refine the proposed ToR for the EA.

A second virtual consultation and engagement event on the ToR will be scheduled and held.



- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > **Next Steps**
- > Stay In Touch
- > Submit a Comment

Translate This Site
Select Language



STAY IN TOUCH

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > **Stay In Touch**
- > Submit a Comment

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Join the Mailing List to receive Project updates:

Name *

First

Last

Email *

Company/Agency/Organization (if applicable)

Join the Mailing List

Get in touch with us about the Project:

Wayne Jenken

Area Landfill Manager, Eastern Canada Area
 Waste Management of Canada Corporation
 5768 Nauvoo Road, Watford, ON N0M 2S0
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 519.849.5810

Larry Fedec, P.Eng., MBA

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

Translate This Site

Select Language





SUBMIT A COMMENT

Fill in a Comment Form and let us know your thoughts:

1 2 3

Name *

First Last

Address

Street Address

Address Line 2

City Province

Postal Country

Phone

Email *

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

- residential property
- business
- agency representative
- groundwater, surface water
- transportation
- air quality (dust, noise, odour)
- ecology
- member of interest group
- land use / visual
- other

Next

1/3

* 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 for the purposes 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 s. 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, please contact the Ministry of the Environment, Conservation and Parks' Freedom of Information and Privacy Coordinator at 416-327-1434.

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > **Submit a Comment**

Translate This Site
Select Language



SUBMIT A COMMENT

Fill in a Comment Form and let us know your thoughts:



Please provide any general comments about the information presented in this Virtual Consultation & Engagement Event.

Do you have any comments, concerns or recommendations regarding the **current operations** at the Twin Creeks Environmental Centre?

- Yes No

After reviewing the information presented at this Virtual Consultation & Engagement Event, do you have any comments, concerns, or recommendations regarding the **Rationale** for the proposed project?

- Yes No

Do you have any specific comments, concerns or recommendations regarding the **Alternatives** as presented?

- Yes No

[Back](#)

[Next](#)

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- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > **Submit a Comment**

Translate This Site
Select Language



SUBMIT A COMMENT

Fill in a Comment Form and let us know your thoughts:



Do you have any specific comments, concerns or recommendations regarding the Evaluation Criteria to be used in the assessment of the Alternatives as presented?

Yes

No

Do you have any comments, questions, or suggestions regarding future consultation and engagement events that will be held for the Terms of Reference and Environmental Assessment (e.g., format)?

Yes

No

Are there any other issues that you feel WM should consider in the development of the Terms of Reference?

Yes

No

Back

Submit Comment

3/3

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- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > **Submit a Comment**

Translate This Site
Select Language

A large, bold, black letter 'F' is centered on the page. It is positioned to the right of a large dark green rectangular block that occupies the left side of the page. Above the 'F' is a grey rectangular block, and below it is a light grey rectangular block. At the bottom right of the page is a dark grey rectangular block.

Completed Public
Comment Forms

WM TCEC Landfill Optimization - Completed Public Comment Forms

Comment Form #	1					2					3		4		5						
Name																					
Address																					
Phone																					
Email																					
My interest in the project is: (please check all that apply)	air quality (dust, noise, odour)	ecology	agency representative	groundwater, surface water	land use / visual	residential property	air quality (dust, noise, odour)	business	ecology	member of interest group	groundwater, surface water	land use / visual	transportation	agency representative	transportation	air quality (dust, noise, odour)	other	air quality (dust, noise, odour)	groundwater, surface water	land use / visual	transportation
If other:																					
Please provide any general comments about the information presented in this Virtual Consultation & Engagement Event.						In our small 1st village block - south of landfill - McGregor st to Victoria st to Nauvoo rd we have health issues. There are three people that have died of cancer. There are at least three people with COPD and one person with a fatal respiratory illness. Environmental impact studies need to be done on our health in Watford in order for the expansion to proceed.					The County of Lambton wishes to meet with WMCC representatives to discuss the current application to expand and any potential impacts to the agreement between parties.		how much money is Watford receiving every year average		No comments						
Do you have any comments, concerns or recommendations regarding the current operations at the Twin Creeks Environmental Centre?						Yes					Yes		Yes		No						
If yes, describe below						Most nights in the summer when one would enjoy sleeping with bedroom window open by three oclock in the morning the windows needed to be shut due to odor. The road that is the entrance to our town is constantly a mess. Many people feel their complaints go unheard , unresolved as odour, roadside issues just continue.					The Notice of Commencement suggests the landfill under its current approvals, fill rate, etc. is expected to be full by 2032 whereas the current agreement between the County of Lambton and WMCC secures landfill capacity at the Twin Creeks facility until December 31, 2035.		smell								
After reviewing the information presented at this Virtual Consultation & Engagement Event, do you have any comments, concerns, or recommendations regarding the Rationale for the proposed project?						Yes					No		No		No						
If yes, describe below						Rationale? Where is human compassion for the people of Watford that constantly tell of issues and are saying no to further expansion. Your staff do not live here so i believe there is no empathy or understanding on CWM'S part. You paint a good picture but need a reality check.															
Do you have any specific comments, concerns or recommendations regarding the Alternatives as presented?						Yes					No		No		No						
If yes, describe below						Do nothing and fix the problems listed by the Technical Review team. Close on the agreed time-line, monitoring closely for years for any issues. Start a new landfill somewhere else not so close to a town, have some consideration.															
Do you have any specific comments, concerns or recommendations regarding the Evaluation Criteria to be used in the assessment of the Alternatives as presented?						Yes					No		No		No						
If yes, describe below						I dont see a health study.															
Do you have any comments, questions, or suggestions regarding future consultation and engagement events that will be held for the Terms of Reference and Environmental Assessment (e.g., format)?						Yes					No		No		No						
If yes, describe below						You should wait for in person townhall meetings when covid is under control. There are many people who are not tech savy but would like to have a say.															
Are there any other issues that you feel WM should consider in the development of the Terms of Reference?						No					Yes		Yes		No						
If yes, describe below											Traffic impact assessment along haul routes, access points, etc.		recycling centre								

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Presentations to Municipal Councils

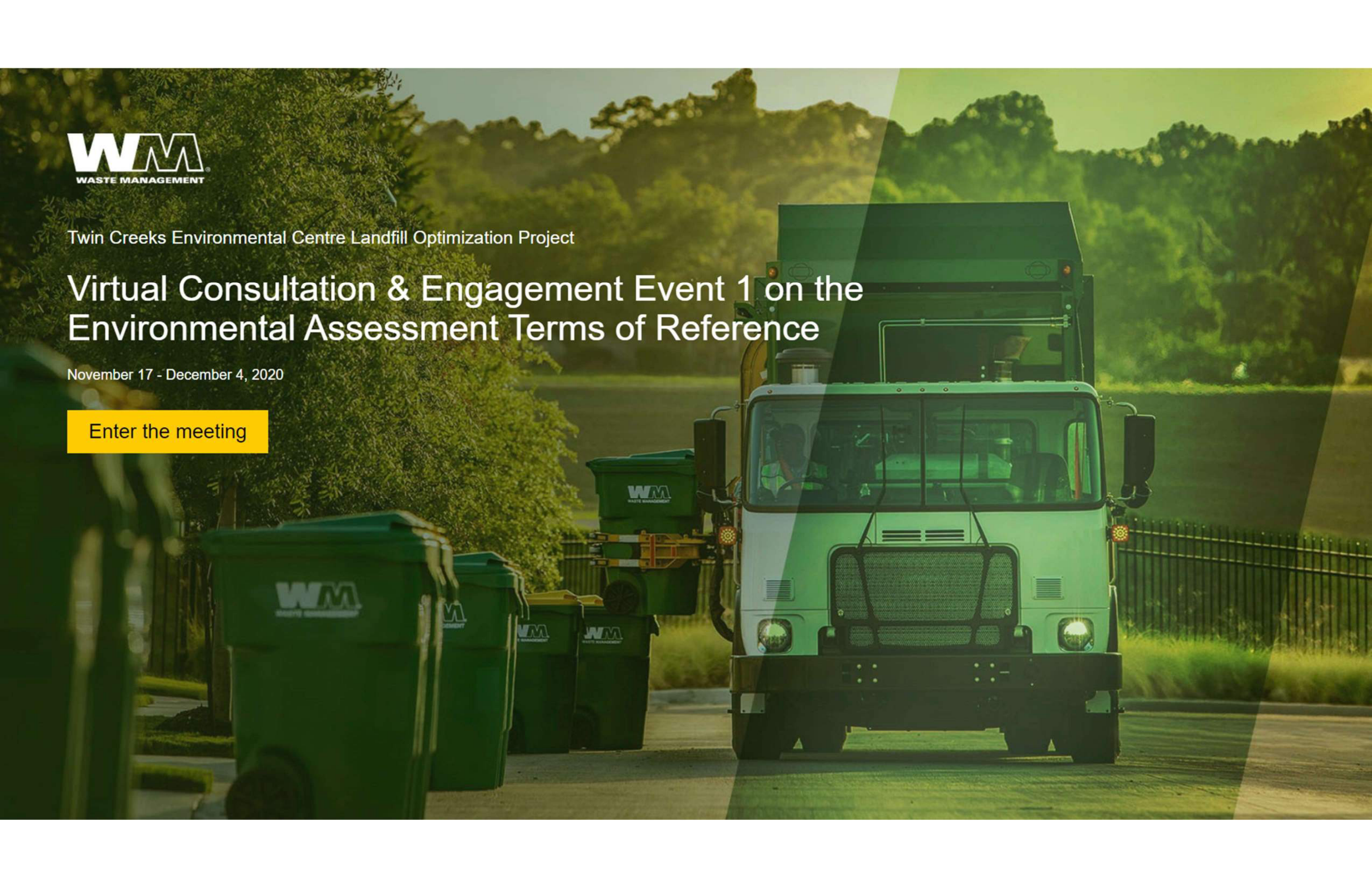


Twin Creeks Environmental Centre Landfill Optimization Project

Virtual Consultation & Engagement Event 1 on the Environmental Assessment Terms of Reference

November 17 - December 4, 2020

[Enter the meeting](#)



WELCOME

Welcome to **Virtual Consultation & Engagement Event 1** for the Environmental Assessment (EA) Terms of Reference of the Twin Creeks Environmental Centre (TCEC) Landfill Optimization Project

This Virtual Consultation & Engagement Event is being held to present:

- An overview of the project
- The development and contents of the Terms of Reference (ToR)
- The EA process
- Information on the:
 - Rationale
 - Proposed alternatives
 - Consultation and engagement process

We are looking for your feedback on:

- Your interest in the project
- The format of this event
- Current site operations
- The rationale for the project
- Proposed alternatives and evaluation criteria
- The consultation and engagement program
- Other considerations for ToR development



- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site
Select Language



ABOUT TWIN CREEKS

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site

Select Language ▼

About the Twin Creeks Environmental Centre

The Twin Creeks Environmental Centre (TCEC) is a regional facility that provides safe and convenient disposal services for communities, businesses and industries serving the Province of Ontario. The landfill is approved to receive municipal, industrial, commercial, and institutional solid non-hazardous wastes generated, including non-hazardous contaminated soil.

The TCEC is engineered with environmental protection systems that meet or exceed regulatory requirements and are subject to highly regulated monitoring and reporting requirements. Systems include engineered liners and covers, leachate collection and removal, landfill gas collection and control, and on-site leachate disposal through phytoremediation.

The TCEC provides landfill gas, for heating, to the 40 acre greenhouse facility adjacent to the landfill property. Prior to this, all landfill gas was flared. The intent is for the landfill to supply gas for heating to the greenhouses for 25 years.

Leachate that is generated in the waste is conveyed toward a perimeter leachate collection system. WM received approval to treat leachate through a phytoremediation system consisting of a 9.3 ha poplar system planted on the existing landfill cap in 2003. Surplus leachate is trucked off-site to approved wastewater treatment plants.

WM pays host community fees annually to the Township of Warwick. Since 2009, when the TCEC Expansion Landfill began receiving waste, WM has contributed over \$23M in host community fees to the Township.

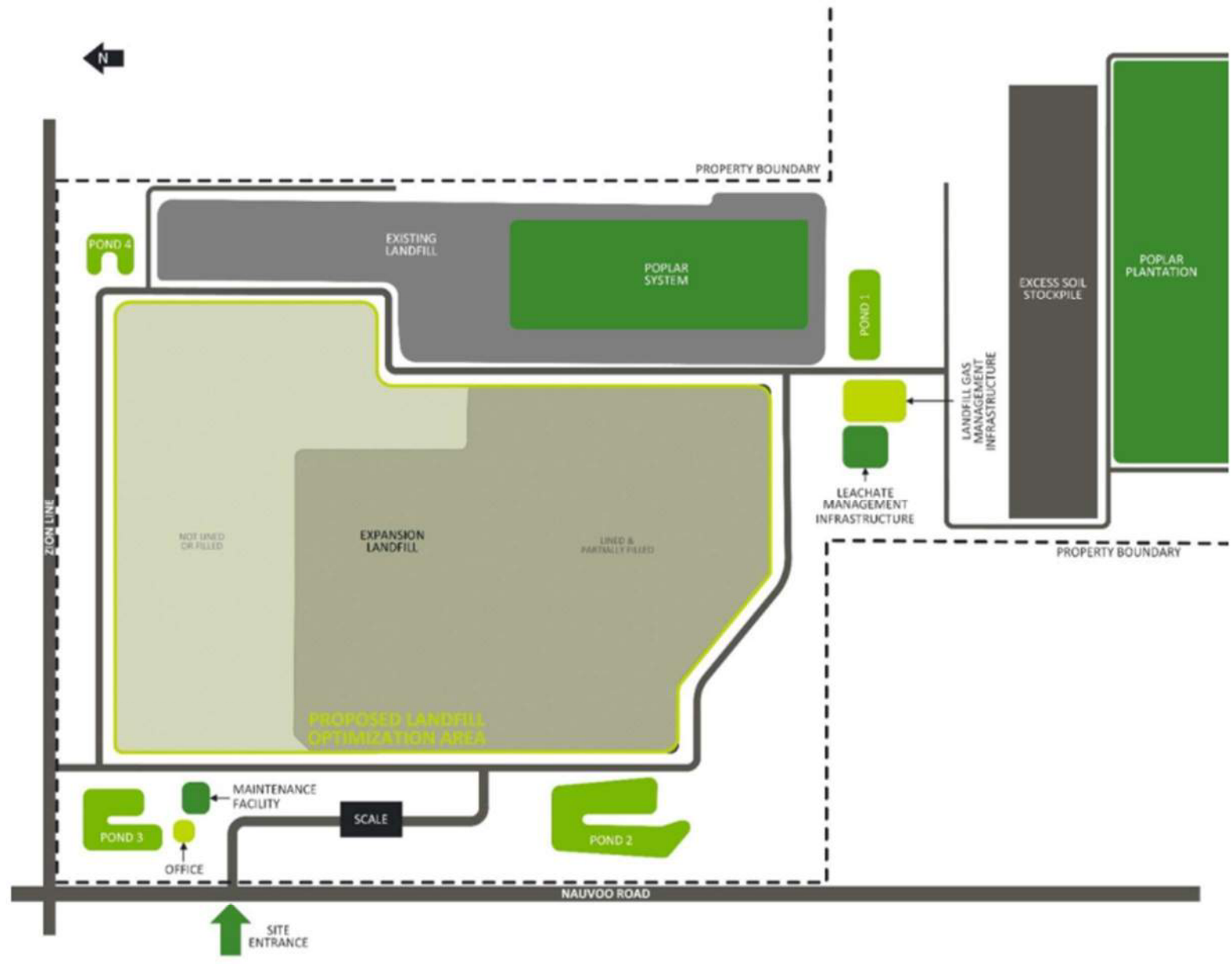
Twin Creeks Environmental Centre Overview	
Year Opened	1972
First Year Operated by WM	1996
Projected Life Remaining	12 years
Total Area	301 ha
Permitted Landfill Footprint	101.8 ha
Remaining Capacity	15M m ³
Annual Fill Rate	1.4M tonnes/year

PROJECT OVERVIEW

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site

Select Language ▼



The purpose of the proposed project is to **optimize the Expansion Landfill design and operation**, maximizing the use of the constructed infrastructure and significant investment made at the TCEC.

The optimization could involve a **vertical expansion of the landfill within the Expansion Landfill footprint** by modifying the sideslopes and increasing the elevation of the landfill.

This optimization could provide additional airspace of up to approximately 14M m³, and extend site life by approximately 12 years (from 2032 to 2044).

There would be **no change** to the:

- current 101.8 ha landfill footprint area
- approved service area
- annual fill rate

ENVIRONMENTAL ASSESSMENT PROCESS

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site

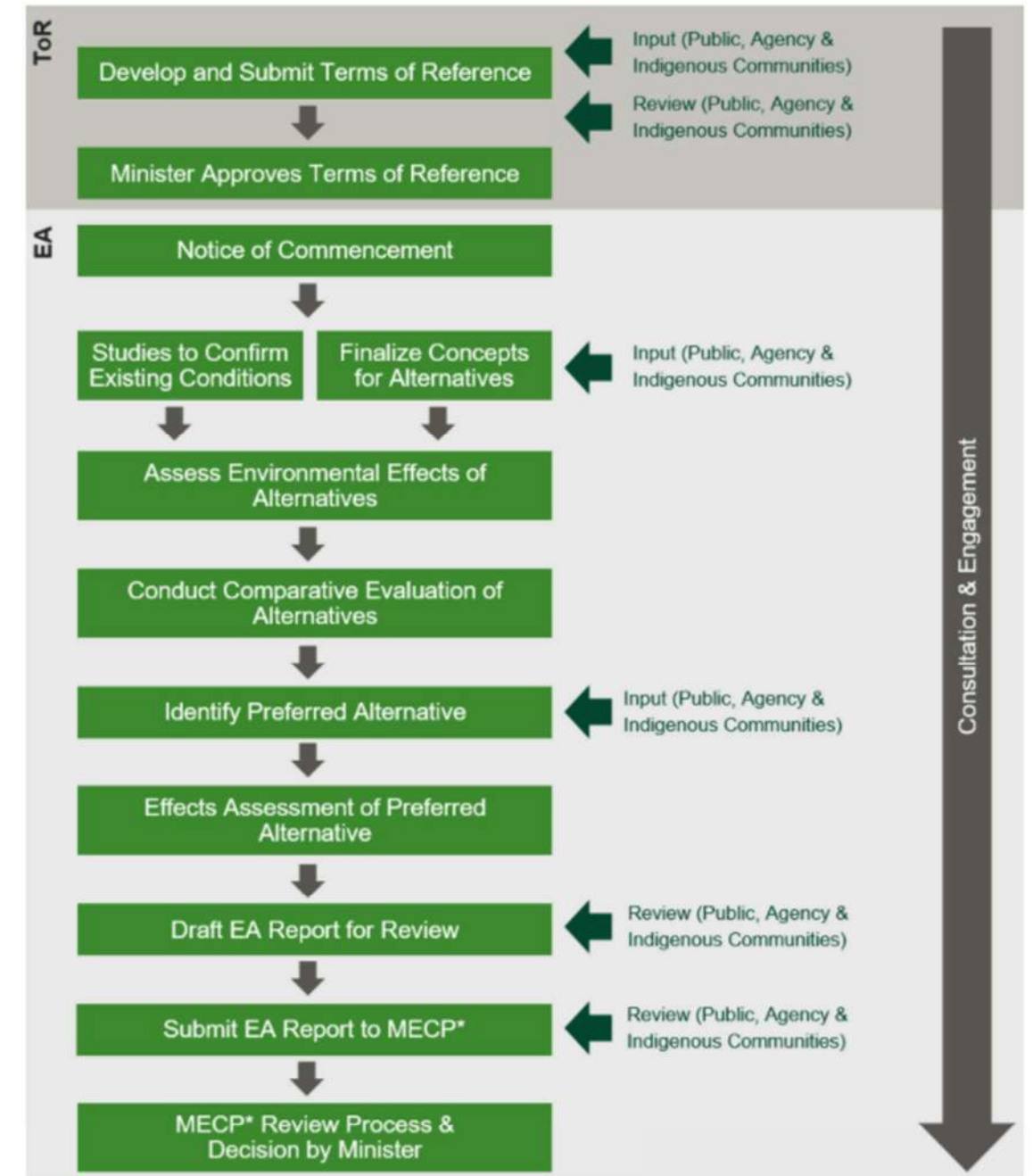
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The first step in the Environmental Assessment (EA) process is the preparation of a **Terms of Reference (ToR)**, which requires approval by the Minister of Environment, Conservation and Parks.

The ToR will set out the framework and work plan for addressing the Ontario Environmental Assessment Act requirements when preparing the EA, including:

- Rationale for the project
- Alternatives that will be considered
- Public consultation and engagement activities that will be carried out

The EA will be carried out in accordance with the requirements of the Ontario Environmental Assessment Act and the approved Terms of Reference and conditions of approval.



*MECP = Ministry of Environment, Conservation and Parks



RATIONALE FOR THE UNDERTAKING

- There is a need for the continued development of the TCEC. The TCEC is a significant component of the provincial waste management network and infrastructure, which is lacking in sufficient and secure long-term disposal capacity.
- The Ontario Waste Management Association has estimated that there is only 14 years of disposal capacity remaining in Ontario.
- There are three large private landfill sites in southern Ontario, including the TCEC, all operating at their approved annual limits.
- Continued operation of the TCEC aligns with 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 to reduce litter and waste in communities.
- Approximately 3.5M tonnes of post recycling and diversion residual waste generated in Ontario is disposed of in Michigan each year.
- The TCEC receives 1.4M tonnes of post recycling and diversion residual waste. Approximately 20% is managed directly by WM with the remainder controlled by third parties.
- 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 approvals 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 12 years of capacity.

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site
Select Language

ALTERNATIVES TO THE UNDERTAKING

WM has identified a range of 'alternatives to' the undertaking (or 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 via landfill optimization at the TCEC within the currently approved Expansion Landfill footprint of 101.8 ha.
5. Develop additional disposal capacity within the 301 ha TCEC including areas outside of the Expansion Landfill footprint.



The 'alternatives to' were considered in the context of their ability to address the business opportunity identified by WM.

Landfill optimization within the Expansion Landfill footprint (Option 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 on-site on top of previously-closed landfilled areas or closer to Watford.
- 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.

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site
Select Language

ALTERNATIVE METHODS

Alternative methods are different ways of implementing the preferred 'alternative to' the proposed undertaking (project).

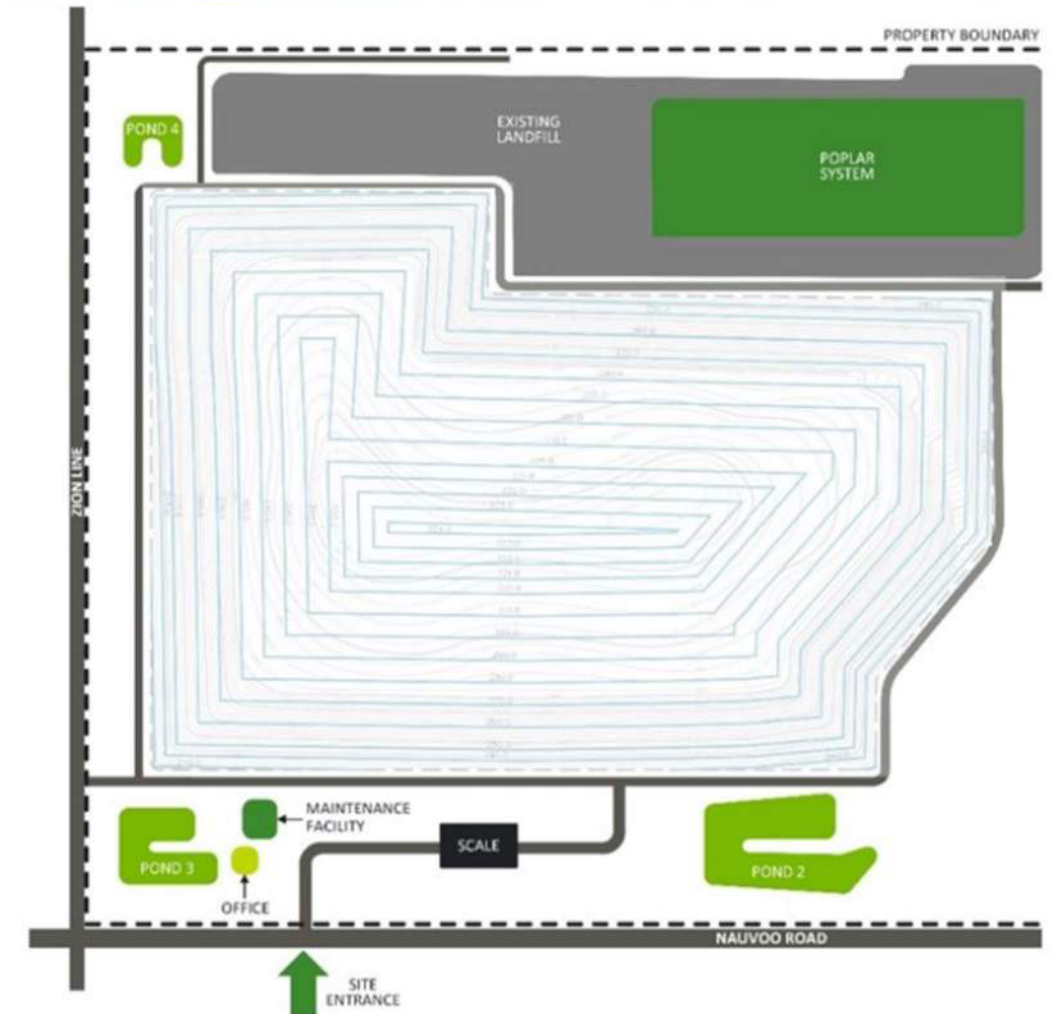
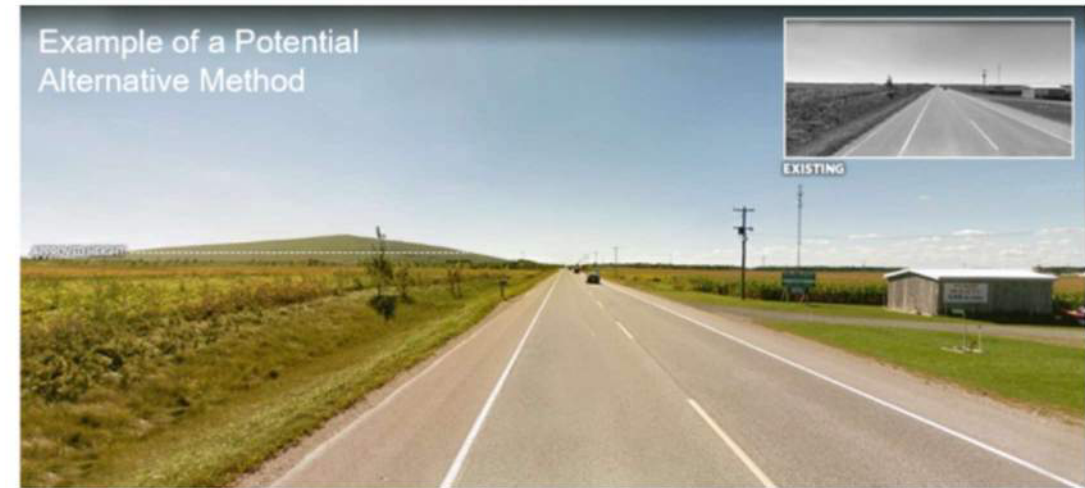
The landfill optimization would involve a **vertical expansion within the current Expansion Landfill footprint** by modifying the side slopes and increasing the elevation of the landfill.

The approved airspace capacity within the Expansion Landfill is achieved with 4:1 side slopes to an elevation of 265.7 metres above sea level (masl) and then with 20:1 side slopes up to the landfill peak elevation of 280 masl. The existing ground elevation in the area is approximately 245 masl.

Alternative methods for vertical expansion may include:

- 4:1 side slopes to 300 masl, then 20:1 slope to peak (304 masl)
- 3:1 side slopes to 300 masl, then 20:1 slope to peak (307 masl)
- 4:1 side slopes to 320 masl (peak)
- 3:1 side slopes to 320 masl, then 20:1 slope to peak (324 masl)

The optimization of the approved Expansion Landfill could provide additional airspace capacity of up to approximately 14M m³.



- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site

Select Language

EVALUATION PROCESS AND CRITERIA

The proposed **evaluation process** for the EA includes:

- Describing the environment potentially affected (existing conditions) based on evaluation criteria
- Describing the conceptual design details for the alternative methods (i.e., various slope and peak scenarios), including 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 method
- Consideration of cumulative effects and climate change

Proposed **evaluation criteria** will consider potential effects on:

- **Natural Environment**
 - Atmospheric Environment (Air Quality, Noise, Odour)
 - Geology, Hydrogeology, and Groundwater (Quality and Quantity)
 - Surface Water Environment (Quality and Quantity)
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 - Transportation
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- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

Translate This Site

Select Language

STUDY AREAS AND SUPPORTING STUDIES

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

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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 assessment of alternatives based on the evaluation criteria, considering the:

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CONSULTATION AND ENGAGEMENT

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > Submit a Comment

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Consultation and engagement opportunities are being planned throughout the ToR and EA process and will be advertised in local newspapers, on the project website, and by direct and/or electronic mail (email).

While the COVID-19 pandemic is limiting our ability to meet with you in person to discuss the project, WM is committed to on-going consultation and engagement with our neighbours and anyone with an interest in the project. We will be working to determine how best to conduct these activities in a way that is respectful of personal safety and physical distancing guidelines.



Translate This Site

Select Language



NEXT STEPS

Input received through this virtual consultation and engagement event and other comments received will be used to develop and refine the proposed ToR for the EA.

A second virtual consultation and engagement event on the ToR will be scheduled and held.



- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > **Next Steps**
- > Stay In Touch
- > Submit a Comment

Translate This Site

Select Language



STAY IN TOUCH

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > **Stay In Touch**
- > Submit a Comment

Join the Mailing List

Join the Mailing List to receive Project updates:

Name *

First

Last

Email *

Company/Agency/Organization (if applicable)

Join the Mailing List

Get in touch with us about the Project:

Wayne Jenken

Area Landfill Manager, Eastern Canada Area
 Waste Management of Canada Corporation
 5768 Nauvoo Road, Watford, ON N0M 2S0
wjenken@wm.com
 519.849.5810

Larry Fedec, P.Eng., MBA

Solid Waste Program Lead, Canada
 HDR Corporation
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 289.695.4696

Translate This Site





SUBMIT A COMMENT

Fill in a Comment Form and let us know your thoughts:

1 2 3

Name *

First Last

Address

Street Address

Address Line 2

City Province

Postal Country

Phone

Email *

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

- residential property
- business
- agency representative
- groundwater, surface water
- transportation
- air quality (dust, noise, odour)
- ecology
- member of interest group
- land use / visual
- other

Next

1/3

* 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 for the purposes 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 s. 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, please contact the Ministry of the Environment, Conservation and Parks' Freedom of Information and Privacy Coordinator at 416-327-1434.

- > Welcome
- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
- > Evaluation Process and Criteria
- > Study Areas and Supporting Studies
- > Consultation and Engagement
- > Next Steps
- > Stay In Touch
- > **Submit a Comment**

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Select Language



SUBMIT A COMMENT

Fill in a Comment Form and let us know your thoughts:



Please provide any general comments about the information presented in this Virtual Consultation & Engagement Event.

Do you have any comments, concerns or recommendations regarding the **current operations** at the Twin Creeks Environmental Centre?

- Yes No

After reviewing the information presented at this Virtual Consultation & Engagement Event, do you have any comments, concerns, or recommendations regarding the **Rationale** for the proposed project?

- Yes No

Do you have any specific comments, concerns or recommendations regarding the **Alternatives** as presented?

- Yes No

Back

Next

* 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 for the purposes 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 s. 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, please contact the Ministry of the Environment, Conservation and Parks' Freedom of Information and Privacy Coordinator at 416-327-1434.

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- > About Twin Creeks
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- > Environmental Assessment Process
- > Rationale for the Undertaking
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- > **Submit a Comment**

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SUBMIT A COMMENT

Fill in a Comment Form and let us know your thoughts:



Do you have any specific comments, concerns or recommendations regarding the Evaluation Criteria to be used in the assessment of the Alternatives as presented?

Yes

No

Do you have any comments, questions, or suggestions regarding future consultation and engagement events that will be held for the Terms of Reference and Environmental Assessment (e.g., format)?

Yes

No

Are there any other issues that you feel WM should consider in the development of the Terms of Reference?

Yes

No

Back

Submit Comment

3/3

* 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 for the purposes 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 s. 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, please contact the Ministry of the Environment, Conservation and Parks' Freedom of Information and Privacy Coordinator at 416-327-1434.

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- > About Twin Creeks
- > Project Overview
- > Environmental Assessment Process
- > Rationale for the Undertaking
- > Alternatives to the Undertaking
- > Alternative Methods
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WARWICK PUBLIC LIAISON COMMITTEE
Twin Creeks Landfill
WASTE MANAGEMENT OF CANADA CORPORATION
AGENDA

Date: Thursday, November 26, 2020

Time: 6 p.m. Meeting

Location: Online/Microsoft Teams

- 1) **Call to order**
- 2) **Approval of/Additions to Agenda**
- 3) **Acceptance of November 21, 2019 Minutes and August 20, 2020 Minutes**

4) Business Arising

- 1) Full Time MECP Inspector
- 2) Q2 2020-Presented by RWDI
 - Includes TSP Notifications
 - i. August 7 and August 13
 - ii. September 18
- 3) Complaint Log
- 4) Application - Subsequent Stage (Phase 6)
- 5) TRT 2020 Review (2019 Reporting Year)

5) New Business

- a) Election of Chair
- b) Commitment of Committee Members
- c) Memorandum of Understanding – Remuneration
- d) Condition 3.8 of Amended ECA A032203 – “The WPLC shall determine the appropriate meeting frequency and review it on an annual basis”
- e) Twin Creeks Landfill Optimization

6) Open Session

7) Reports

- a) Environmental Inspector (September, October) MECP Monthly Inspection Reports as presented by the MECP
- b) Waste Management of Canada Corporation Site Operations
 - Monthly Tonnage Tracking Reports (September, October)

8) Next Meeting Date/Agenda

9) Adjournment

WARWICK PUBLIC LIAISON COMMITTEE
Twin Creeks Environmental Centre
WASTE MANAGEMENT OF CANADA CORPORATION

MEETING MINUTES

Date: Thursday, November 26, 2020

Time: 6 p.m. Meeting

Location: Online/Microsoft Teams

Present: Angela McLachlan, John McDonald – WM
James Buhrow, Nicole Does – MECP
Jackie Rombouts, Wayne Morris, Trevor Jarrett, Amanda Gubbels – Township of Warwick
MaryLynn Metras, Alex McDonald, Heather Joosten, Mac Parker, Betsy Rombouts, John O’Neil – WPLC
Peter Pickfield, Wilf Ruland, Alex Ciccone – TRT
Brent Langille, Hassan Fakih, Jeff Cleland - RWDI

Regrets: Wayne Jenken (WM)
Elsie Timmers, Gerry van Diepen, Karen Wesley, Peter Braet – WPLC
Jerry Westgate, Colin Mitchell – Township of Warwick

1) Call to order

MaryLynn Metras called the meeting to order at 6:05pm.

2) Approval of/Additions to Agenda

Motion: Remove New Business items 5a to 5d until first meeting in 2021, made by MaryLynn Metras.

Seconded: Betsy Rombouts

Motion: Carried

3) Acceptance of November 21, 2019 Minutes and August 20, 2020 Minutes

Motion: That the minutes from November 21, 2019 and August 20, 2020 be accepted as presented, made by Alex McDonald

Seconded: John O’Neil

Motion: Carried

4) Business Arising

1) Full Time MECP Inspector

A general discussion regarding a full time MECP inspector took place. The WPLC noted that this has been a repetitive item on the Agenda of the previous WPLC Meetings and requested action on this item from WM. WM noted their position in previous meetings and that it is ultimately an MECP decision and suggested that the WPLC make a motion to send a letter to the MECP stating their position.

The TRT presented their review on the 2019 reporting year regarding the MECP inspector frequency and agreed with the WPLC on the position of daily MECP inspections. The Township noted that when the annual tonnage fill rate increase was approved WM supported the position of daily MECP inspection but then changed their position on the item. It was noted by WM that the MECP inspector frequency, lesser or more frequent, is at the complete discretion of the MECP.

Motion: That the WPLC write a letter to the MECP on the position of daily MECP inspections, made by MaryLynn Metras.

Seconded: Mac Parker

Motion: Carried

2) Q2 2020-Presented by RWDI

- Includes TSP Notifications
 - i. August 7 and August 13
 - ii. September 18

The following routine environmental monitoring tasks were completed during the 2020 Q2 monitoring period. Monitoring indicated that results satisfied their respective limits, or where appropriate, were generally within their historical or expected range of values.

- April 1, 2020 – Contaminated Soil Monitoring
- April 1, 2020 - Automobile Shredder Residue (ASR)
- May 18, 2020 - Routine Compliance Surface Water Monitoring
- June 4, 2020 – Verification Surface Water Monitoring
 - June 4, 2020 – Acceptable verification results at SP2
- May 18, 2020 – Poplar System Surface Water Monitoring
- May 12, 2020– Equalization Tank Monitoring
- April 1, 2020 – Landfill Gas Monitoring
- June 8, 2020– Total Hydrocarbon Survey
 - Exceedance noted on east slope, repaired June 29, 2020 and verification completed July 6, 2020
- May 6-8, 11, 2020 – Semi-Annual Groundwater Sampling
- May 4, 2020 – Semi-Annual Liquid Level Monitoring
- Q2 2020 Monitoring Period – Liquid Levels
- PS1, PS3, PS5 Liquid Levels - Daily during operations
- PS2, PS4, PS6 Liquid Levels – Monthly during operations
- Continuous – TSP Monitoring – Exceedances Noted
 - April 3, 3030 – SE Sampler
 - April 15, 2020 – SE Sampler
 - April 27, 2020 – SE & NE Samplers
 - May 21, 2020 – W Sampler
 - June 5, 2020 – NE Sampler
 - June 8, 2020 – W Sampler
 - June 17, 2020 – W Sampler

- June 26, 2020 – NE Sampler
- Continuous – Noise Monitoring

Location	Number of Events Exceeding Limit ^[3]				Number of Acceptable Intervals with TCEC Open ^[1,2]	Number of Acceptable Intervals with TCEC Closed ^[1,2]	Percentage of Time Noise Levels > 3dB Above Limit when TCEC is Open	Percentage of Time Noise Levels > 3dB Above Limit when TCEC is Closed
	TCEC Operating ^[4]		TCEC Closed ^[4]					
	<= 3 dB above Limit	> 3 dB above Limit	<= 3 dB above Limit	> 3 dB above Limit				
M1	24	0	53	28	150	339	0.0%	8.3%
M2	3	7	13	29	150	339	4.7%	8.6%
M3	3	4	16	17	150	339	2.7%	5.0%
M4	0	0	3	3	150	339	0.0%	0.9%

Question Period:

General discussion regarding the exceedances related to surface water, groundwater, air and noise. The Township asked RWDI about the exceedances in general and if there are any concerns or responsibilities that the Township of Warwick and the WPLC should have about them. RWDI provided a brief explanation that the periodic exceedances are not unexpected and are addressed quickly such that they do not become a concern. RWDI offered to hold more detailed tutorials for TSP monitoring, similar to done at the last meeting for noise, at the next WPLC meeting if that is of interest to the Township of Warwick or the WPLC. The TRT stated their concern in regard to the TSP exceedances and noted that they have been looking into continuous monitoring for TSP.

- Continuous – TSP Monitoring
 - August 7, 2020 – W Sampler
 - August 13, 2020 – W Sampler
 - September 18, 2020 – W Sampler

- OW81-7
 - November 2020 concentration 210 mg/L
 - June 2020 concentration 250 mg/L
 - May 2020 concentration 210 mg/L

 - Given this monitoring well nest’s proximity to Nauvoo Road and that groundwater was noted to be flowing toward the landfill, it is interpreted that the shallow groundwater quality is impacted by road salting effects, similar to historical data for wells OW80-3 and OW80-6. Thus, elevated chloride concentrations at OW81-7 are not attributed to a landfill leachate effect.

Question Period:

General discussion regarding the chloride exceedances at groundwater well OW81-7 took place. The WPLC asked if the chloride concentration in groundwater well OW81-7 would decrease in the summer. RWDI explained that due to slow movement of the groundwater in the aquifer the effects of road salting activities throughout the winter are likely to be observed year-round, but concentrations will fluctuate up and down in the drier fall and the wetter spring, respectively.

3) Complaint Log

WM presented the updated complaint log and the process that they go through upon receiving a complaint.

General discussion regarding the complaint log took place. WM noted that for the majority of the complaints they receive, insufficient info is provided to WM making it difficult to effectively respond, however, they have taken ownership of the majority of the complaints in 2020 and determined that the source is likely the landfill gas that is not fully collected by the LFG collection system. Members of the WPLC noted that when they drive by the site and there is an east wind, they detect an odour. RWDI stated that WM is working on addressing LFG collection system issues and are working on LFG collection system expansions as the landfill grows. RWDI also noted that the complaint logs can be found within each Quarterly Report. The TRT presented relevant sections of the 2020 TRT Review on the 2019 monitoring and stated that they would report back to the Township of Warwick and the WPLC during the next WPLC meeting with their outcome from the upcoming TRT/WM meeting on the topic of complaints. The TRT also stated that large landfills will always have a low level of odour however, individuals should still inform WM when they believe the level is increasing.

Throughout the discussion regarding the complaint log, WM, RWDI, the TRT, members of the Township of Warwick and the WPLC expressed the importance of calling WM with comments regarding odour or other concerns.

The Township requested that the presentations, that are usually presented during each WPLC Meeting, be included in the Agenda attachments moving forward. RWDI denoted that this is routinely done in the form of the relevant quarterly/annual reports that are being presented. The TRT requested that the complaint log summary table be included as Agenda attachments moving forward. WM agreed to this request.

4) Application - Subsequent Stage (Phase 6)

RWDI presented the location of Cell 6 using the 2019 aerial photo and noted that construction activities are proposed to commence in the Spring of 2021. WM and RWDI also briefly presented current progress on the construction activities for Cell 4B as it is nearly complete and is currently receiving waste.

5) TRT 2020 Review (2019 Reporting Year)

The TRT presented the TRT 2020 Review of the 2019 reporting year.

General discussion regarding the TRT Review of the 2019 Annual Reporting took place. The TRT noted their standpoint on items including groundwater and surface water quality monitoring, the leachate generation in the existing and expansion sites, the control of sediment loading during construction activities, re-planting activities, MECP inspections, noise exceedances, TSP exceedances and WM applications for permits.

5) New Business

- a. Election of Chair
- b. Commitment of Committee Members

- c. Memorandum of Understanding – Remuneration
- d. Condition 3.8 of Amended ECA A032203 – “The WPLC shall determine the appropriate meeting frequency and review it on an annual basis”
- e. Twin Creeks Landfill Optimization

RWDI presented the details as provided in the Notice of Commencement for the Twin Creeks Environmental Centre Landfill Optimization Project.

General discussion took place regarding the Optimization Project. Members of the WPLC noted their concerns/questions with respect to site landscaping, the leachate and LFG collection systems, waste fill rate and the initiation date of the End use committee startup if the Optimization Project were to be approved. General discussion regarding the consultation website also took place. WM and RWDI noted that comments are encouraged during this first round of consultation however, there will be more opportunities to comment when the next rounds of consultation start up. It was noted that comments from the public on the optimization project can be provided online on WM’s website for the project. It was asked by the WPLC for the web address to be provided. This information was re-provided by WM the next day. The website address is:

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

6) Open Session

RWDI denoted that a surface water exceedance Letter of Notification would go out later that evening to address some minor exceedances, which were not attributable to landfill leachate. Verification surface water monitoring for chemical and biological testing was initiated on review of the received chemical reports, which was also the date of this WPLC meeting.

7) Reports

- a. Environmental Inspector (September, October) MECP Monthly Inspection Reports as presented by the MECP

The MECP presented information from the Monthly Inspection Reports.

General discussion took place regarding members of the WPLC having recently observed litter and ASR material along the northbound shoulder of Nauvoo Rd. at various locations between the site entrance and Highway 402. WM noted that some of the truck drivers may be leaving site and then cleaning any remaining litter or ASR material off their trucks. The TRT presented concerns on the matter and stated that WM should stay on top of this issue.

General discussion took place regarding the time it takes for the MECP Inspection Reports to be distributed after the date each inspection is completed. The TRT stated that the MECP Inspection Reports should be distributed in a much more timely manner after the dates that the inspections are completed. The MECP clarified that there is a required internal review process prior to the reports receiving final approval from when the inspection takes place to before they can be distributed in final form.

It was clarified that the above is a formal reporting timing, but the information from the MECP Inspector is conveyed to WM verbally at the time of the site inspection.

Motion: That the MECP Inspection Reports be distributed within a much more timely manner after the completion of each inspection, made by Mac Parker.

Seconded: Betsy Rombouts

Motion: Carried

b. Waste Management of Canada Corporation Site Operations

- Monthly Tonnage Tracking Reports (September, October)

WM presented information from the Monthly Tonnage Tracking Reports as well as WM's current status on the landfilling of Cell 4B, interim capping of the sideslopes of Cell 1 and 2, preparation for the LFG extension project on Cell 4A, repairs to the East LFG header, operation of the LFG flares and LFG heating of the neighboring greenhouse.

8) Next Meeting Date/Agenda

February 18, 2021 6:00 PM

RWDI to present 'tour' photos at next meeting.

9) Adjournment

9:20 PM

WARWICK PUBLIC LIAISON COMMITTEE
Twin Creeks Landfill
WASTE MANAGEMENT OF CANADA CORPORATION
AGENDA

Date: Thursday, February 18, 2021
Time: 6 p.m. Meeting
Location: Online/Microsoft Teams

- 1) Call to order**
- 2) Approval of/Additions to Agenda**
- 3) Acceptance of November 26, 2021 Minutes**
- 4) Business Arising**
 - 1) Full Time MECP Inspector
 - Letter from Chair to Premier Ford
 - 2) Q3 2021-Presented by RWDI
 - 3) Complaint Log
 - 4) Thank you to Elsie Timmers for past Membership.
 - New Member Applications?
- 5) New Business**
 - a) Election of Chair
 - b) Commitment of Committee Members
 - c) Memorandum of Understanding – Remuneration
 - d) Condition 3.8 of Amended ECA A032203 – “The WPLC shall determine the appropriate meeting frequency and review it on an annual basis”
- 6) Open Session**
- 7) Reports**
 - a) Environmental Inspector (November, December, January) MECP Monthly Inspection Reports as presented by the MECP
 - b) Waste Management of Canada Corporation Site Operations
 - Monthly Tonnage Tracking Reports (November, December, January)
- 8) Next Meeting Date/Agenda**
- 9) Adjournment**

WARWICK PUBLIC LIAISON COMMITTEE
Twin Creeks Environmental Centre
WASTE MANAGEMENT OF CANADA CORPORATION

MEETING MINUTES

Date: Thursday, February 18, 2021

Time: 6 p.m. Meeting

Location: Online/Microsoft Teams

Present: Angela McLachlan, John McDonald – WM
Nicole Does – MECP
Jackie Rombouts, Wayne Morris, Amanda Gubbels – Township of Warwick
MaryLynn Metras, Alex McDonald, Heather Joosten, Mac Parker, Betsy Rombouts,
John O’Neil – WPLC
Brent Langille, Jeff Cleland – RWDI

Regrets: Wayne Jenken (WM)
Gerry van Diepen, Karen Wesley, Peter Braet,– WPLC

1) Call to order

MaryLynn Metras called the meeting to order at 6:05 pm.

2) Approval of/Additions to Agenda

Motion: Approval of Agenda, made by Alex McDonald.

Seconded: Wayne Morris

Motion: Carried

3) Acceptance of November 26, 2020 Minutes

Motion: That the minutes from November 26, 2020 be accepted as presented, made by Mac Parker

Seconded: Betsy Rombouts

Motion: Carried

4) Business Arising

1) Full Time MECP Inspector

i. Letter from Chair to Premier Ford

The Letter from Chair to Premier Ford, as well as the associated response letter back to the Chair, which were provided in this WPLC meeting package were discussed.

2) Q3 2020-Presented by RWDI

The following routine environmental monitoring tasks were completed during the 2020 Q3 monitoring period. Monitoring indicated that results satisfied their respective limits, or where appropriate, were generally within their historical or expected range of values.

- September 3, 2020 – Contaminated Soil Monitoring
- September 22, 2020- Automobile Shredder Residue (ASR)
- Routine Compliance Surface Water Monitoring
 - As there was no precipitation events that generated flow sufficient for sampling, surface water monitoring stations were not sampled during the Q3 monitoring
- Poplar System Surface Water Monitoring
 - As there was no precipitation events that generated flow sufficient for sampling, surface water monitoring stations were not sampled during the Q3 monitoring
- August 11, 2020 – Equalization Tank Monitoring
- July 2, 2020 – Landfill Gas Monitoring
- September 23, 2020 – Total Hydrocarbon Survey
 - Exceedance noted on east slope, repaired October 8, 2020 and verification completed November 6, 2020

Poplar System Monitoring Program

- May to October 2020 (weekly) – Soil Conductivity
- September 4, 2020 – Soil Sampling
- September 3, 2020 – Visual Assessments
- Undergrowth and Ponding Inspections, Odour Monitoring
 - Monthly during the irrigation season
- PS Holding Tank Sampling
 - May 21, June 7, July 21, August 31, and September 15, 2020.
- September 2, 2020 - Leaf Tissue Analysis
- September 2, 2020 - Stem Core & Root Samples, Root Depth

- PS1, PS3, PS5 Liquid Levels - Daily during operations
 - Primary Drainage Layer – Leachate
- PS2, PS4, PS6 Liquid Levels – Monthly during operations
 - Secondary Drainage Layer – Water

- Continuous – TSP Monitoring Exceedances
 - August 7, 2020 – Western Sampler
 - August 13, 2020 – Western Sample
 - September 18, 2020 – Western Sampler

- Continuous – Noise Monitoring

Location	Number of Events Exceeding Limit ^[3]				Number of Acceptable Intervals with TCEC Open ^[1,2]	Number of Acceptable Intervals with TCEC Closed ^[1,2]	Percentage of Time Noise Levels > 3dB Above Limit when TCEC is Open	Percentage of Time Noise Levels > 3dB Above Limit when TCEC is Closed
	TCEC Operating ^[4]		TCEC Closed ^[4]					
	<= 3 dB above Limit	> 3 dB above Limit	<= 3 dB above Limit	> 3 dB above Limit				
M1	60	4	61	55	161	280	2.5%	19.6%
M2	1	0	0	0	160	280	0.0%	0.0%
M3	3	4	1	2	160	280	2.5%	0.7%
M4	0	0	2	3	161	280	0.0%	1.1%

Question Period

General Discussion took place regarding the Poplar System Monitoring Program, specifically poplar tree health and the general difference between the sample results of the root, stem core, and leaf tissue samples. General discussion also took place regarding the lower number of noise exceedances during operating hours compared to when there are more noise exceedances detected when Site is closed.

3) Complaint Log

WM presented the complaints received to date during the 2021 operating period. General discussion took place regarding the tracking of the daily cover materials being utilized on a daily basis. WM noted that a combination of the daily cover materials is utilized on a daily basis.

4) Thank you to Elsie Timmers for past Membership.

- New Member Applications?

General discussion took place regarding advertising for a new member of the WPLC. WM noted that they would be able to include and advertisement in the newspaper. The Township of Warwick noted that they would include and advertisement on the Township of Warwick Website.

General discussion also took place regarding contacting Elsie Timmers and thanking her for her participation as a member of the WPLC. WM noted that they would be able to prepare a message, thanking Elsie Timmers on behalf of the members of the committee.

5) New Business

a. Election of Chair

Motion: That Mary Lynn Metras be re-elected as Chair, made by Betsy Rombouts

Seconded: Mac Parker

Motion: Carried

WM noted that Garry van Diepen had advised he would commit to a term for Vice Chair.

Motion: That Garry van Diepen be elected as Vice Chair made by Mary Lynn Metras.

Seconded: Alex MacDonald

Motion: Carried

b. Commitment of Committee Members

General Discussion took place regarding the commitment of Committee Members and which Members would like to commit to another three (3) years of membership. All present Committee Members agreed to commit to another three (3) years. WM noted that they will contact the absent Committee Members to determine their Committee membership status.

c. Memorandum of Understanding – Remuneration

General Discussion took place regarding remuneration.

- Remuneration – 2021 rates increased with COLA are:
 - Chair – 222.68
 - Members – 95.43

d. Condition 3.8 of Amended ECA A032203 – “The WPLC shall determine the appropriate meeting frequency and review it on an annual basis”

General Discussion took place regarding the occurrence of the WPLC Meetings. All present Committee Members expressed satisfaction with the WPLC Meetings occurring on a quarterly basis at 6 p.m.

6) Open Session

7) Reports

a. Environmental Inspector – Review of MECP Inspection Reports as presented by the MECP

The MECP presented an overview of the MECP inspection reports for weekly inspections as well as their inspection restrictions due to COVID-19.

Member of the WPLC stated that they have been identifying ASR material along the northbound shoulder of Nauvoo Rd. at various locations between the site entrance and Highway 402. WM noted they are routinely managing the northbound shoulder of Nauvoo Rd.

General discussion also took place regarding the time it takes for the MECP Inspection Reports to be distributed after the date each inspection is completed. The MECP clarified that there is a required formal internal review process after the inspection takes place, prior to the reports receiving final approval and being distributed in final form. The MECP clarified that information from the MECP Inspector is conveyed to WM verbally at the time of the site inspection and that WM responds accordingly. It was noted that the formal reporting by the MECP can change depending on the local office's need to respond to emergencies, similar to a triage-process.

Members of the WPLC and the Township of Warwick also expressed their concerns about the MECP not completing physical on-site inspections due to the MECP policies during COVID. The Township of Warwick noted that they will reach out to the MECP Director in regard to the MECP not completing physical on-site inspections.

b. Waste Management of Canada Corporation Site Operations

- Monthly Tonnage Tracking Reports (November, December, January)

WM presented information from the Monthly Tonnage Tracking Reports as well as WM's current status on the landfilling of Cell 4A and Cell 4B, interim capping of the sideslopes of Cell 1, Cell 2 and Cell 4A, the LFG collection system expansion project on Cell 4A, repairs to the LFG line to the neighboring greenhouse, and operation of the LFG flares.

WM also noted that upcoming construction projects consist of the landfill liner base preparation of Cell 4C, the pre-excavation of Cell 6A, and the replacement of Street C with concrete along the West and South sides of the Expansion Site.

General discussion took place regarding the proposed Twin Creeks Landfill Optimization Project. Members of the WPLC and the Township of Warwick expressed their concerns about the lack of public comments and questions during the virtual public consultation meeting and on the public consultation website, as well as its user interface. It was agreed that if it were possible to have in-person meetings, this would be better for WM and the public.

8) Next Meeting Date/Agenda

May 6, 2021 6:00 PM

9) Adjournment

Motion: That the WPLC Meeting be adjourned, made by Jackie Rombouts at 7:30 PM.

Seconded: Betsy Rombouts

Motion: Carried

WARWICK PUBLIC LIAISON COMMITTEE
Twin Creeks Landfill
WASTE MANAGEMENT OF CANADA CORPORATION
AGENDA

Date: Thursday, May 6, 2021
Time: 6 p.m. Meeting
Location: Online/Microsoft Teams

- 1) Call to order**
- 2) Approval of/Additions to Agenda**
- 3) Acceptance of February 18, 21 Minutes**
- 4) Business Arising**
 - 1) Full Time MECP Inspector
 1. Response to Letter from Chair to Premier Ford (sent to WPLC 03/03/21)
 2. Email from Township to MECP dated 04/08/21 re: Inspection Reporting Timelines
 - i. MECP Response Letter dated 042921
 - 2) Q4 & Annual 2020-Presented by RWDI
 - 3) Q1 Precipitation Letter of Notification – Email sent to WPLC 04/14/21
 - 4) Complaint Log
 - a) Garbage on Nauvoo Rd.
 - b) Trucks entering merge lane on Nauvoo Rd.
 - c) Odour from Landfill
 - d) Any other issues that arise since last Meeting
 - 5) New Member Applicant-Marcie Parker
 - 6) Committee Review – Effectiveness incl. Motions, Recommendations
 - 7) Terms of Reference – Page 3, Cond. 5.5 – Removal of Line “(1) Alternate……. absent from Meeting”
- 5) New Business**
 - a) Letter of Resignation - Chair
 - i. Open Committee Positions: Chair, Secretary, (1) Member
- 6) Open Session**
- 7) Reports**
 - a) Environmental Inspector - Review of MECP Inspection Reports as presented by the MECP
 - b) Waste Management of Canada Corporation Site Operations
 - Monthly Tonnage Tracking Reports (February, March, April)
- 8) Next Meeting Date/Agenda**
- 9) Adjournment**

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Indigenous Engagement
and Communications



Notice of Commencement and Virtual Consultation & Engagement Event 1 Terms of Reference for an Environmental Assessment Twin Creeks Environmental Centre Landfill Optimization Project

Waste Management of Canada Corporation (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, has initiated an Environmental Assessment (EA) seeking approval to optimize the landfill design and operation, maximizing the use of the constructed infrastructure and the significant investment made at the TCEC. The optimization could involve a vertical expansion of the landfill within the approved 101.8 ha Expansion Landfill footprint by modifying the side slopes and increasing the elevation of the landfill. This optimization could provide additional airspace of up to approximately 14M m³, which could extend the site life by approximately 12 years (from 2032 to 2044). There would be no change to the current 101.8 ha landfill footprint area, the approved service area, or the annual fill rate.

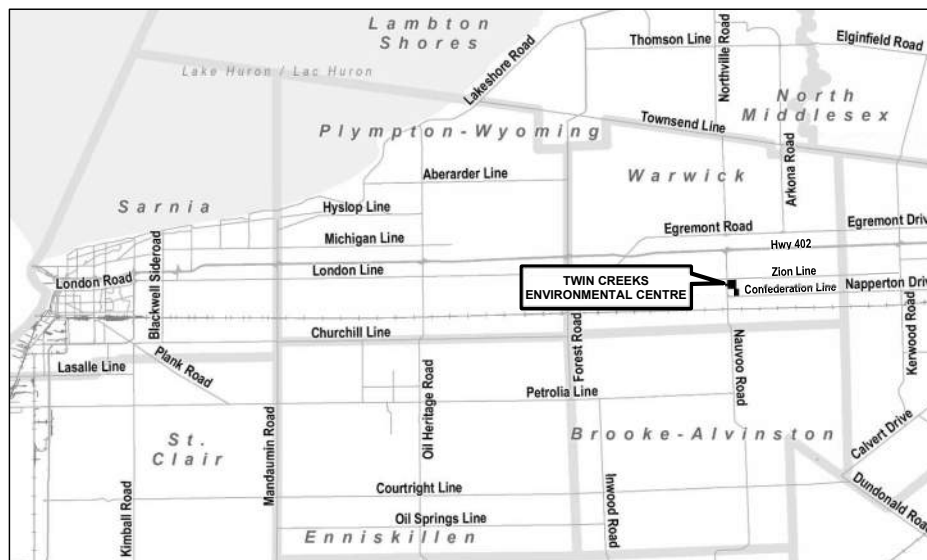
There is a need for the continued development of the TCEC as it is a significant component of the provincial waste management network and infrastructure, which is lacking in sufficient and secure long-term disposal capacity. Optimizing the future development of the TCEC allows for on-going sustainable business operations and continued provision of essential financial support for community services and programs.

The TCEC is located in the Township of Warwick near the Village of Watford, at the corner of Nauvoo Road and Zion Line (see Key Plan below). The purpose of the EA is to assess the potential effects of the proposed landfill optimization on the environment.

The Process

The EA will be carried out in accordance with the requirements of the *Ontario Environmental Assessment Act*. The first step in the process is the preparation of a Terms of Reference. The Terms of Reference will set out the framework and work plan for addressing the *Ontario Environmental Assessment Act* requirements when preparing the EA, including such things as the alternatives that will be considered, and the public consultation and engagement activities that will be carried out. If approved by the Minister, the Terms of Reference will provide the framework and requirements for the preparation of the EA.

KEY PLAN



Consultation and Engagement

Members of the public, agencies, Indigenous communities, and other interested persons are encouraged to actively participate in the Terms of Reference planning process by participating in consultation and engagement opportunities or contacting staff directly with comments or questions. Consultation and engagement opportunities are being planned throughout the process and 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).

WM invites you to attend **Virtual Consultation & Engagement Event 1** to introduce and provide an overview of the landfill optimization project, present the development and contents of the Terms of Reference, the EA process, and information on the rationale, proposed alternatives, and the consultation and engagement process that will be followed during the development of the EA. **Virtual Consultation & Engagement Event 1** is an online event accessible from the project website www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project, which will run between **Tuesday, November 17 and Friday, December 4, 2020**. You are encouraged to participate by reviewing the information provided during the event and providing feedback.

In addition to participating in **Virtual Consultation & Engagement Event 1**, you are invited to submit your 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
Waste Management of Canada Corporation
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 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 for the purposes 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 s.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, please contact the Ministry of the Environment, Conservation and Parks' Freedom of Information and Privacy Coordinator at 416-327-1434.

Beri, Kelly

From: Beri, Kelly
Sent: Tuesday, November 17, 2020 1:28 PM
To: Undisclosed Recipients
Subject: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project
Attachments: WM TCEC - Notice of Commencement of ToR and VCEE1 (8.5x11).pdf
Bcc: 'Brianna Sands'; 'Chief Adrian Chrisjohn'; 'Chief Charles Sampson'; 'Chief Chris Plain'; 'Chief Denise Stonefish'; 'Chief Jacqueline French'; 'Chief Jason Henry'; 'Chief Mark Peters'; 'Chief Mary Duckworth'; 'Dean Jacobs'; 'Fallon Burch'; 'Janet MacBeth'

Good afternoon,

On behalf of Waste Management of Canada Corporation (WM), please find attached a Notice of Commencement for the Environmental Assessment Terms of Reference for WM's Twin Creeks Environmental Centre Landfill Optimization Project.

The Notice of Commencement contains a link to the project website and an invitation to Virtual Consultation & Engagement Event 1, which will run between November 17 and December 4, 2020.

Regards,

Kelly Beri, B.A.Sc.
Environmental Planner

HDR
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
D 416.895.5428
kelly.beri@hdrinc.com

hdrinc.com/follow-us

From: Jenken, Wayne <WJenken@wm.com>
Sent on: Tuesday, November 17, 2020 5:00:34 PM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>; Beri, Kelly <Kelly.Beri@hdrinc.com>
CC: Jenken, Wayne <wjenken@wm.com>
Subject: Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA

Follow up: Follow up

Start date: Tuesday, November 17, 2020 12:00:00 AM

Due date: Tuesday, November 17, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

On November 17, 2020 at 10am we had a Teams meeting with the Walpole Island First Nation Heritage Centre.

Attendees: Dean Jacobs, Janet Macbeth, John McDonald & Wayne Jenken

Discussion topics:

- Introductions and personnel changes at WM - Reid Cleland's retirement, Simon Mercier (Director of Disposal Operations), John McDonald (Senior District Manger – Disposal)
- Current landfill status - continued operations of 1.4M MT annually, currently filling Phase 4 – Cell 4B, 12 years remaining capacity
- Proposed project – landfill optimization, possible slope adjustment and/or vertical expansion, up to 12 years added capacity, no change to annual tonnage, traffic or service area
- Notice of Commencement was provided this morning (see email below). Notice includes link to project website and project website includes Virtual Consultation & Engagement Event
- Questions and comments from WIFN
 - We have a current IBA (Impact Benefits Agreement) we expect this agreement will be updated. Our current approach is to sign host agreements – Yes we agree that the current agreement will be revised and updated.
 - Suggest meeting in a month to discuss event 1 comments – Agreed WM will propose dates for a next meeting and we propose ongoing meetings through the duration of the EA.
 - We've found that reviewing the existing agreement and preparing a report card to be useful before we present to Council – This is excellent and if you have a report card format that you have used in the past we could tailor that for the review of the WM IBA
 - What is the history of the MECP inspection frequency at site – Inspections started with daily during site preparation and initial operation. WM proposed reduction to weekly and MOE reduced frequency to monthly. Current frequency is weekly and are unannounced, unscheduled inspections.
 - What is the role and participation of the WPLC – We have a strong and engaged WPLC.
 - How will WIFN Council be notified – A review team list has been generated and WIFN council will be notified.
 - We expect Council to reach out after receiving notice – That is why we distributed the Notice of Commence this morning and why we requested this call so that you are aware of the project.
- Discussion continued with topics including Neegan Burnside review of landfill annual report and how to engage with NB going forward. WIFN will pass along project info to NB until a project lead is assigned.
- Thanks and sign off

Regards.

WAYNE JENKEN

Area Landfill Engineer

Eastern Canada Area

wjenken@wm.com

T: 519.849.5810

C: 519.381.3017

5768 Nauvoo Road

Watford, ON. N0M 2S0



Recycling is a good thing. Please recycle any printed emails.

Share Copy link Download Delete Copy to Version history

< Previous 2 of 5 Next > X ⓘ

From: Fallon Burch [REDACTED]
Sent on: Thursday, December 3, 2020 8:56:01 PM
To: Jenken, Wayne <wjjenken@wm.com>
CC: Beri, Kelly <Kelly.Beri@hdrinc.com>; Fedec, Larry <Larry.Fedec@hdrinc.com>
Subject: RE: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project
Attachments: LTR_Consultation_Twin Creek Environmental Centre Optimization Project- Event 1 Review-signed.pdf (286.09 KB), INV-0069-Twin Creeks Environmental Centre Landfill Event 1 Review.pdf (145.63 KB)
Follow up: Follow up
Start date: Thursday, December 3, 2020 12:00:00 AM
Due date: Thursday, December 3, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon Mr. Jenken,

Please find attached a response in regards to the aforementioned project. I have reviewed the information presented to us at this time, however due to the project being in the early stages of the Environmental Assessment, we are unable to identify any impacts that may be associated with your project.

I look forward to continuing this open line of communication and we are happy to participate in future project events. Due to the COVID-19 pandemic we are only meeting virtually. Please feel free to contact myself via email at this time as I continue to work from home.

Thank you,

Fallon



Fallon Burch
Consultation Coordinator, Chippewas of the Thames First Nation
[REDACTED]

This email or documents accompanying this email contain information belonging to the Chippewas of the Thames First Nation. Which may be confidential and/or legally privileged. The information is intended only for the addressed recipient(s). If you are not an intended recipient, you are hereby notified that any disclosure, copying, distribution, or the taking of any action in reliance on the contents of this email. Is strictly prohibited. If you have received this email in error, please advise my office and delete it from your system.

From: Beri, Kelly <Kelly.Beri@hdrinc.com>
Sent: November 17, 2020 1:29 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project

Good afternoon,

On behalf of Waste Management of Canada Corporation (WM), please find attached a Notice of Commencement for the Environmental Assessment Terms of Reference for WM's Twin Creeks Environmental Centre Landfill Optimization Project.

The Notice of Commencement contains a link to the project website and an invitation to Virtual Consultation & Engagement Event 1, which will run between November 17 and December 4, 2020.

Regards,

Kelly Beri, B.A.Sc.
Environmental Planner

HDR
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
D 416.895.5428
kelly.beri@hdrinc.com
hdrinc.com/follow-us

Share Copy link Download Delete Copy to Version history

< Previous 3 of 5 Next > X ⓘ

From: Fallon Burch [REDACTED]
Sent on: Tuesday, December 8, 2020 6:30:55 PM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>; Jenken, Wayne <wjenken@wm.com>
CC: Beri, Kelly <Kelly.Beri@hdrinc.com>; Rochelle Smith <rsmith@cottfn.com>; Kelly Riley <kriley@cottfn.com>
Subject: RE: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project

Follow up: Follow up

Start date: Tuesday, December 8, 2020 12:00:00 AM

Due date: Tuesday, December 8, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon Larry,

Thank you for your response and acknowledging our interest in your project. A cheque for the invoice is the preferred payment option at this time.

If you have any questions, please feel free to contact myself via email at this time as I continue to work from home.

Take care,

Fallon



Fallon Burch
Consultation Coordinator, Chippewas of the Thames First Nation
 [REDACTED]

This email or documents accompanying this email contain information belonging to the Chippewas of the Thames First Nation. Which may be confidential and/or legally privileged. The information is intended only for the addressed recipient(s). If you are not an intended recipient, you are hereby notified that any disclosure, copying, distribution, or the taking of any action in reliance on the contents of this email. Is strictly prohibited. If you have received this email in error, please advise my office and delete it from your system.

From: Fedec, Larry <Larry.Fedec@hdrinc.com>

Sent: December 8, 2020 10:30 AM

To: Fallon Burch [REDACTED]; Jenken, Wayne <wjenken@wm.com>

Cc: Beri, Kelly <Kelly.Beri@hdrinc.com>

Subject: RE: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project

Hi Ms. Burch,

Thank you for your letter outlining the interests of COTTFN in the project. We will continue to notify COTTFN as the project progresses and provide details regarding any Archaeological Assessment related work that may be undertaken as part of the project.

Regarding your invoice, HDR will be paying this on behalf of WM. Can you confirm if payment is by cheque only or can COTTFN also receive payment by Visa?

Thank you in advance and we look forward to being in contact with you further.

Best regards ... Larry

Larry Fedec, P.Eng., MBA
 D 289.695.4696 M 416.571.2130

hdrinc.com/follow-us

From: Fallon Burch [REDACTED]
Sent: Thursday, December 3, 2020 3:56 PM
To: Jenken, Wayne <wjenken@wm.com>
Cc: Beri, Kelly <Kelly.Beri@hdrinc.com>; Fedec, Larry <Larry.Fedec@hdrinc.com>
Subject: RE: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project

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From: Fedec, Larry <Larry.Fedec@hdrinc.com> on behalf of Fedec, Larry
Sent on: Tuesday, December 8, 2020 3:29:41 PM
To: Fallon Burch [REDACTED]; Jenken, Wayne <wjjenken@wm.com>
CC: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: RE: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project

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Thank you in advance and we look forward to being in contact with you further.

Best regards ... Larry

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hdrinc.com/follow-us

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Cc: Beri, Kelly <Kelly.Beri@hdrinc.com>; Fedec, Larry <Larry.Fedec@hdrinc.com>
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Thank you,

Fallon

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 Consultation Coordinator, Chippewas of the Thames First Nation
 [REDACTED]

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From: Beri, Kelly <Kelly.Beri@hdrinc.com>
Sent: November 17, 2020 1:29 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project

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The Notice of Commencement contains a link to the project website and an invitation to Virtual Consultation & Engagement Event 1, which will run between November 17 and December 4, 2020.

From: Jenken, Wayne <WJenken@wm.com>
Sent on: Tuesday, December 15, 2020 3:49:53 PM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>; Beri, Kelly <Kelly.Beri@hdrinc.com>
CC: Jenken, Wayne <wjenken@wm.com>
Subject: Call with WIFN
Attachments: 2021 Twin Creeks landfill optimization terms of reference draft schedule.msg (90 KB)

Follow up: Follow up
Start date: Tuesday, December 15, 2020 12:00:00 AM
Due date: Tuesday, December 15, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Larry,

Today John and I had our second call with WIFN. The attendees with Dean Jacobs and Janet Macbeth and ourselves.

We discussed optimization project updates including the completion of consultation and engagement event 1 and that we are preparing a consultation record from the event. We agreed to share the record on a future call. We also agreed to share a draft 2021 schedule for the TOR tasks. This schedule was sent to WIFN earlier today and is attached to this email. We discussed the next step is to prepare workplans for the project disciplines and agreed to share our project team members and workplans with WIFN on our next call in January. We also agreed that Neegan Burnside would be brought into the project once the workplans are prepared for comment. WIFN did mention that Neegan Burnside is aware of the project. Dates for a January meeting were discussed as well and January 26 was selected.

We briefly discussed a site visit at Twin Creeks and proposed to add this topic to the January call agenda. WIFN described that the Chief and 12 councilors have not been to Twin Creeks and are not familiar with landfilling. We will try to develop a plan for a site visit.

We also discussed that comments on the 2019 annual report have been prepared by Neegan Burnside and that Janet has reviewed and that comments will be forwarded to WM shortly and that invoicing for 2020 report review will follow in 2021. It was suggested that discussion to resolve the comments will be included in future meetings between WM and WIFN with consulting disciplines added as required.

Regards.

WAYNE JENKEN
Area Landfill Engineer
Eastern Canada Area
wjenken@wm.com

T: 519.849.5810
C: 519.381.3017
5768 Nauvoo Road
Watford, ON. N0M 2S0



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From: [Jenken, Wayne](#)
To: [Fedec, Larry](#); [Beri, Kelly](#)
Cc: [Jenken, Wayne](#); [McDonald, John](#)
Subject: Call with WIFN
Date: Tuesday, March 16, 2021 10:58:19 AM
Attachments: [image001.png](#)

Larry,

Today John and I had another call with WIFN. The attendees with Dean Jacobs and Janet Macbeth and ourselves.

We discussed the following items:

- Twin Creeks Environmental Centre Optimization Project – update and engagement
- Discussion re WIFN comment on the 2019 annual report
- Discussion re WIFN comment on the 2020 Q3 report
- Twin Creeks Landfill – Operations Update and Slides

We discussed optimization project updates including our discipline team working on existing conditions reports, evaluation criteria and draft work plans. I discussed that we expect draft work plans to be issued mid-April for comment. We asked if plans should be copied to Neegan Burnside. Janet suggested that we have a call about a week before the anticipated release where our team (likely you and their team (NB)) can meet. That way we can start direct conversation with NB.

We also discussed the 2019 annual report comments and responses and the Q3 quarterly report comments. Janet will follow up with NB on the annual report responses and we expect to have responses to the Q3 comments in the next couple weeks. I suggesting that we should have call(s) to resolve issues with these reports and that this call should be separate from the optimization discussion, as our teams for each are different.

John then presented about 10 aerial photos (drone photos taken about two weeks ago) and did a good job orienting everyone to the site and discussing landfill operations and our next year of site development.

Lastly Dean introduced the topic of advocacy and looking for support from private business to encouraging resolution of traditional land claims. Dean also mentioned an article called “Dish with one spoon – version 8”. Can you look into what this is and get copy for us. I expect it to be relating to consultation and accommodation. Dean also asked what first nations groups have expressed an interest in our project. I said I would have information for a future meeting. Then Janet asked about why we had contacted the list of First Nations that we did. I responded that we were provided a list from MECP. Janet asked for a copy of the list. I’m asking you if there is any issue with forwarding the MECP email to Janet – let me know your thoughts.

Regards.

WAYNE JENKEN

Area Landfill Engineer
Eastern Canada Area
wjenken@wm.com

T: 519.849.5810
C: 519.381.3017
5768 Nauvoo Road
Watford, ON. N0M 2S0



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

Public Consultation and
Engagement



Notice of Commencement and Virtual Consultation & Engagement Event 1 Terms of Reference for an Environmental Assessment Twin Creeks Environmental Centre Landfill Optimization Project

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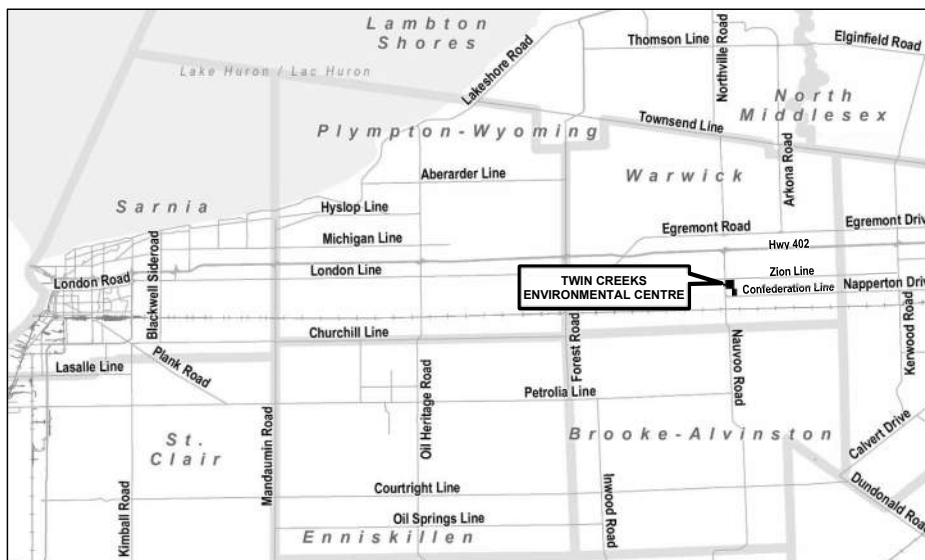
There is a need for the continued development of the TCEC as it is a significant component of the provincial waste management network and infrastructure, which is lacking in sufficient and secure long-term disposal capacity. Optimizing the future development of the TCEC allows for on-going sustainable business operations and continued provision of essential financial support for community services and programs.

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In addition to participating in **Virtual Consultation & Engagement Event 1**, you are invited to submit your 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
Waste Management of Canada Corporation
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 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 for the purposes 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 s.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, please contact the Ministry of the Environment, Conservation and Parks' Freedom of Information and Privacy Coordinator at 416-327-1434.

From: Fedec, Larry <Larry.Fedec@hdrinc.com> on behalf of Fedec, Larry
Sent on: Monday, November 16, 2020 11:27:59 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: FW: Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA
Attachments: WM TCEC - Notice of Commencement of ToR and VCEE1 (8.5x11).pdf (617.77 KB)

Follow up: Follow up
Follow up status: Completed
Completed on: Tuesday, November 17, 2020 8:42:00 PM

Larry Fedec, P.Eng., MBA
 D 289.695.4696 M 416.571.2130

hdrinc.com/follow-us

From: Jenken, Wayne <WJenken@wm.com>
Sent: Monday, November 16, 2020 4:33 PM
To: [REDACTED]

Cc: McLachlan, Angela <amclachl@wm.com>; Jenken, Wayne <wjenken@wm.com>; Brent Langille <Brent.Langille@rwdi.com>; Hassan Fakh <Hassan.Fakh@rwdi.com>; Fedec, Larry <Larry.Fedec@hdrinc.com>
Subject: Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Mary Lynn & WPLC members,

WM is excited to announce a proposed optimization of the landfill at the Twin Creeks Environmental Centre. Please find attached the Notice of Commencement that will be published in the Sarnia Observer tomorrow and published later this week in the Watford Standard and Petrolia Independent.

The Notice of Commencement includes a link to the project website and the project website includes a link to Virtual Consultation and Engagement Event 1. The link to the project website is also included here: www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project. Virtual Consultation and Engagement Event 1 includes a section for comments and comments received will be part of the consultation record for the project.

Please do not hesitate to reach out with any questions.

Regards,

WAYNE JENKEN
 Area Landfill Engineer
 Eastern Canada Area
wjenken@wm.com

T: 519.849.5810
 C: 519.381.3017
 5768 Nauvoo Road
 Watford, ON. N0M 2S0



From: Jenken, Wayne <WJenken@wm.com>
Sent: Monday, November 16, 2020 2:56 PM
To: 'Amanda Gubbels' <agubbels@warwicktownship.ca>; [REDACTED]; Trevor Jarrett <TJarrett@warwicktownship.ca>
Cc: McDonald, John <jmcdon10@wm.com>; Jenken, Wayne <WJenken@wm.com>
Subject: Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA

Amanda, Jackie and Trevor,

Please find attached the Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA TCEC Landfill Optimization Project. The Notice of Commencement includes a link to the project website.

From: Jenken, Wayne <WJenken@wm.com>

Sent: Monday, November 16, 2020 4:33 PM

To:

Cc: McLachlan, Angela <amclachl@wm.com>; Jenken, Wayne <wjenken@wm.com>; Brent Langille <Brent.Langille@rwdi.com>; Hassan Fakh <Hassan.Fakh@rwdi.com>; Fedec, Larry <Larry.Fedec@hdrinc.com>
Subject: Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA
Attachments: WM TCEC - Notice of Commencement of ToR and VCEE1 (8.5x11).pdf

Mary Lynn & WPLC members,

WM is excited to announce a proposed optimization of the landfill at the Twin Creeks Environmental Centre. Please find attached the Notice of Commencement that will be published in the Sarnia Observer tomorrow and published later this week in the Watford Standard and Petrolia Independent.

The Notice of Commencement includes a link to the project website and the project website includes a link to Virtual Consultation and Engagement Event 1. The link to the project website is also included here: www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project. Virtual Consultation and Engagement Event 1 includes a section for comments and comments received will be part of the consultation record for the project.

Please do not hesitate to reach out with any questions.

Regards.

WAYNE JENKEN
Area Landfill Engineer
Eastern Canada Area
wjenken@wm.com

T: 519.849.5810
C: 519.381.3017
5768 Nauvoo Road
Watford, ON. N0M 2S0



From: Fedec, Larry <Larry.Fedec@hdrinc.com> on behalf of Fedec, Larry
Sent on: Tuesday, November 17, 2020 11:59:33 AM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: FW: Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA
Attachments: image005.png (5.05 KB), image005.png (5.05 KB)

Follow up: Follow up
Start date: Tuesday, November 17, 2020 12:00:00 AM
Due date: Tuesday, November 17, 2020 12:00:00 AM

Kelly – as you will see below, we do not need to send the Notice to the WPLC as this was covered off by Wayne.

Regards ... Larry

Larry Fedec, P.Eng., MBA
 D 289.695.4696 M 416.571.2130

hdrinc.com/follow-us

From: MaryLynn Metras [REDACTED]
Sent: Tuesday, November 17, 2020 12:41 AM
To: Jenken, Wayne <wjjenken@wm.com>
Cc: [REDACTED]

Subject: Re: Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thank you for the information. Wayne.
 Have a great week ahead.
 Mary Lynn

On Mon, Nov 16, 2020, 4:33 PM Jenken, Wayne, <WJenken@wm.com> wrote:

Mary Lynn & WPLC members,

WM is excited to announce a proposed optimization of the landfill at the Twin Creeks Environmental Centre. Please find attached the Notice of Commencement that will be published in the Sarnia Observer tomorrow and published later this week in the Watford Standard and Petrolia Independent.

The Notice of Commencement includes a link to the project website and the project website includes a link to Virtual Consultation and Engagement Event 1. The link to the project website is also included here: www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project. Virtual Consultation and Engagement Event 1 includes a section for comments and comments received will be part of the consultation record for the project.

Please do not hesitate to reach out with any questions.

Regards.

WAYNE JENKEN
 Area Landfill Engineer
 Eastern Canada Area
[wjjenken@wm.com](mailto:wjenken@wm.com)

T: 519.849.5810
 C: 519.381.3017
 5768 Nauvoo Road
 Watford, ON. N0M 2S0



From: Jenken, Wayne <WJenken@wm.com>
Sent: Monday, November 16, 2020 2:56 PM

Beri, Kelly

From: Beri, Kelly
Sent: Tuesday, November 17, 2020 1:23 PM
To: 'Mike Cornelissen' [REDACTED]
Subject: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project
Attachments: WM TCEC - Notice of Commencement of ToR and VCEE1 (8.5x11).pdf

Good afternoon,

On behalf of Waste Management of Canada Corporation (WM), please find attached a Notice of Commencement for the Environmental Assessment Terms of Reference for WM's Twin Creeks Environmental Centre Landfill Optimization Project.

The Notice of Commencement contains a link to the project website and an invitation to Virtual Consultation & Engagement Event 1, which will run between November 17 and December 4, 2020.

Regards,

Kelly Beri, B.A.Sc.
Environmental Planner

HDR
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
D 416.895.5428
kelly.beri@hdrinc.com

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From: Jenken, Wayne <WJenken@wm.com>
Sent on: Tuesday, November 17, 2020 8:50:31 PM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>; Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: Fwd: [EXTERNAL] Re: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project

Follow up: Follow up
Start date: Tuesday, November 17, 2020 12:00:00 AM
Due date: Tuesday, November 17, 2020 12:00:00 AM

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FYI

Regards,

Wayne Jenken

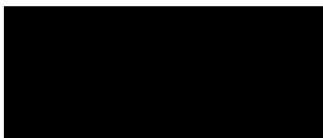
Begin forwarded message:

From: [REDACTED]
Date: November 17, 2020 at 15:07:24 EST
To: "Jenken, Wayne" <WJenken@wm.com>
Subject: [EXTERNAL] Re: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project

Hi Wayne,

Let me know if you need anything from me to help you guys with moving this project ahead.

Thanks



On Nov 17, 2020, at 1:24 PM, Beri, Kelly <Kelly.Beri@hdrinc.com> wrote:

Good afternoon,

On behalf of Waste Management of Canada Corporation (WM), please find attached a Notice of Commencement for the Environmental Assessment Terms of Reference for WM's Twin Creeks Environmental Centre Landfill Optimization Project.

The Notice of Commencement contains a link to the project website and an invitation to Virtual Consultation & Engagement Event 1, which will run between November 17 and December 4, 2020.

Regards,

Kelly Beri, B.A.Sc.
Environmental Planner

HDR
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
D 416.895.5428
kelly.beri@hdrinc.com

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<WM TCEC - Notice of Commencement of ToR and VCEE1 (8.5x11).pdf>

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From: Fedec, Larry <Larry.Fedec@hdrinc.com> on behalf of Fedec, Larry
Sent on: Tuesday, November 17, 2020 5:55:17 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: FW: Voice Message from "Twin Creeks Landfill" (519-849-5810) on 11/17/20 8:47 AM for 15482290031
Attachments: 5198495810-111720-084715-15482290031-153-1.wav (23.16 KB)

Follow up: Follow up
Start date: Tuesday, November 17, 2020 12:00:00 AM
Due date: Tuesday, November 17, 2020 12:00:00 AM

FYI

Larry Fedec, P.Eng., MBA

D 289.695.4696 M 416.571.2130

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From: Jenken, Wayne <WJenken@wm.com>
Sent: Tuesday, November 17, 2020 11:46 AM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>
Cc: Willett, Nicole - WEN <NWillett@wm.com>; Jenken, Wayne <wjenken@wm.com>
Subject: FW: Voice Message from "Twin Creeks Landfill" (519-849-5810) on 11/17/20 8:47 AM for 15482290031

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Larry,

I received a call today from ██████████ of the Petrolia Independent with questions about the proposed expansion. ██████████ watched the Warwick council meeting last night and learned about the proposed expansion. I also let her know that the Independent will publish the Notice of Commencement this week so she has access to the notice and project website address. ██████████ message to me is attached and her questions and my responses follow:

- What is the height of the proposed expansion – Part of the EA involves looking at alternative methods and this will include alternative slopes and maximum heights. The maximum height being considered in 320 masl but may be less.
- Why is the expansion being proposed now – We are commencing the landfill optimization now for two reasons 1) to continue to service our existing customers beyond the 12 year remaining life of the current approval and 2) to construct the infrastructure and final cap of the landfill correctly and not require rework in the future.
- What is the site annual tonnage and where does waste come from – The annual permitted tonnage is 1.4M MT / yr and most waste received at Twin Creeks is generated in SW and Central Ontario.
- Does waste from Toronto come to Twin Creeks – Most waste from Toronto is directed to the GreenLane landfill however some metropolitan areas of Toronto dispose of waste at Twin Creeks.
- Will the expansion allow WM to attract more customers – WM is looking to service our existing customer base however those customers do change over time.
- What is the expected duration of the expansion project – We expect the project to take approximately 5 years to complete the assessments, public engagement and complete the EA.
- Is the project website and engagement available now – Yes the project website and consultation and engagement event are available to review now.

Regards.

WAYNE JENKEN

Area Landfill Engineer

From: Jenken, Wayne <WJenken@wm.com>
Sent on: Friday, November 20, 2020 3:51:07 PM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>; Beri, Kelly <Kelly.Beri@hdrinc.com>
CC: Jenken, Wayne <wjenken@wm.com>; Willett, Nicole - WEN <NWillett@wm.com>
Subject: Media inquiry, Sarnia Observer

Follow up: Follow up
Start date: Monday, November 23, 2020 12:00:00 AM
Due date: Monday, November 23, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Larry and Kelly,

Today I answered questions about the landfill optimization from Paul Morden from the Sarnia Observer

- Why are you requesting approval – to service our customers beyond the 12 years remaining life and to make the best use of current infrastructure
- What will height be if approved – four alternative optimizations are being considered, the highest could increase height from 280 to 320 masl
- What is the service area for the landfill – licensed to receive waste from the province however most waste received from SW and Central Ontario
- How many employees – 25 employees at the site plus sales, accounting and support offsite, plus construction staff – 45 full time equivalents in 2020
- Anything else to add – no change to service area, annual tonnage or landfill footprint

Regards.

WAYNE JENKEN

Area Landfill Engineer
 Eastern Canada Area
 wjenken@wm.com

T: 519.849.5810
 C: 519.381.3017
 5768 Nauvoo Road
 Watford, ON. N0M 2S0



From: [REDACTED]
Sent: Thursday, November 19, 2020 12:06 PM
To: Jenken, Wayne <WJenken@wm.com>
Subject: [EXTERNAL] Media inquiry, Sarnia Observer

Hi Mr. Jenkin, I'm a reporter at The Observer in Sarnia and I was hoping to speak with you about the Twin Creeks optimization project. Any chance you are available to speak by phone? I'm working these days at [REDACTED]. Hope to hear from you.

[REDACTED]
 Reporter
 The Observer

[REDACTED]
 Sarnia, On., N7T 7M8
 [REDACTED]



From: Jenken, Wayne <WJenken@wm.com>
Sent on: Tuesday, November 24, 2020 10:08:08 PM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>; Beri, Kelly <Kelly.Beri@hdrinc.com>
CC: Jenken, Wayne <wjenken@wm.com>
Subject: FW: Landfill Optimization Project

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Larry,

Comment below. I need your help please to draft a response.

Regards.

WAYNE JENKEN

Area Landfill Engineer
Eastern Canada Area
wjenken@wm.com

T: 519.849.5810
C: 519.381.3017
5768 Nauvoo Road
Watford, ON. N0M 2S0



From: [REDACTED]
Sent: Tuesday, November 24, 2020 4:28 PM
To: Jenken, Wayne <WJenken@wm.com>
Subject: [EXTERNAL] Landfill Optimization Project

Good afternoon,

When the terms of the landfill expansion were initially negotiated, the landfill was to wrap up around 2032. Now, it appears, Waste Management is unilaterally changing the terms of this agreement and keeping the landfill in operation until 2044. I don't imagine many residents of the Watford area will be pleased with this change.

Aside from our usual protests to our MPPs, is there anything we can do to stop this change from happening? If you have any advice or suggestions, I would really appreciate hearing back from you. Thank you for your time.

[REDACTED]

Sent from [Mail](#) for Windows 10

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From: Jenken, Wayne <WJenken@wm.com>
Sent on: Wednesday, November 25, 2020 8:58:16 PM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>; Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: Fwd: [EXTERNAL] Proposed increase to twin creeks landfill

Follow up: Follow up

Start date: Wednesday, November 25, 2020 12:00:00 AM

Due date: Wednesday, November 25, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

FYI

Regards,

Wayne Jenken

Begin forwarded message:

From: [REDACTED]
Date: November 25, 2020 at 14:58:02 EST
To: "Jenken, Wayne" <WJenken@wm.com>
Subject: [EXTERNAL] Proposed increase to twin creeks landfill

As a resident in Watford, I would like to see this increase stopped in it's tracks. The landfill is already an eye sore to our little town, the smell that comes from it is terrible, there is no need to see this go on for another 12 years!! Sincerely a concerned and frustrated resident
[REDACTED]

Recycling is a good thing. Please recycle any printed emails.

From: Fedec, Larry <Larry.Fedec@hdrinc.com> on behalf of Fedec, Larry
Sent on: Friday, November 27, 2020 2:05:46 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: FW: [EXTERNAL] Landfill Expansion

Follow up: Follow up
Start date: Friday, November 27, 2020 12:00:00 AM
Due date: Friday, November 27, 2020 12:00:00 AM

Larry Fedec, P.Eng., MBA
 D 289.695.4696 M 416.571.2130

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From: Jenken, Wayne <WJenken@wm.com>
Sent: Friday, November 27, 2020 9:03 AM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>
Subject: FW: [EXTERNAL] Landfill Expansion

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Fyi

Regards.

WAYNE JENKEN
Area Landfill Engineer
 Eastern Canada Area
wjenken@wm.com

T: 519.849.5810
 C: 519.381.3017
 5768 Nauvoo Road
 Watford, ON. N0M 2S0



From:
Sent: Friday, November 27, 2020 8:50 AM
To: Jenken, Wayne <WJenken@wm.com>; [REDACTED]

Subject: [EXTERNAL] Landfill Expansion

Good morning

I was shocked at last night's CWM and Warwick Public Liason Committee meeting to hear about the possible expansion. My first reaction was sell my house and run as far away as possible while my property still has some value.

My next thought with great sadness was about the geographical location of cancer survivors and victims in our community. I started a list and it gets very scary.

Dolly Ferguson- 5664 Underpass Rd

Raymond Vanderlinde- 5664 Underpass Rd

Heather Joosten [REDACTED] - 5664 Underpass Rd

Lorraine Minten - 5688 Underpass Rd

Sharon Hollingsworth - 5601 Underpass Rd

Doug Hollingsworth- 5601 Underpass Rd

Chris Manders- 7682 Confederation Line

Larry Fedec, P.Eng., MBA
D 289.695.4696 M 416.571.2130

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From: [REDACTED]
Sent: Tuesday, December 1, 2020 6:45 PM
To: Jenken, Wayne <wjjenken@wm.com>
Cc: Fedec, Larry <Larry.Fedec@hdrinc.com>
Subject: Expansion

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Mr. Jenkins and Mr. Fedec,

As landowners within Warwick Township we would like to officially submit our strong opposition to the expansion of the Waste Management landfill site located along Nauvoo Road, right at the entrance to our beautiful and vibrant rural town.

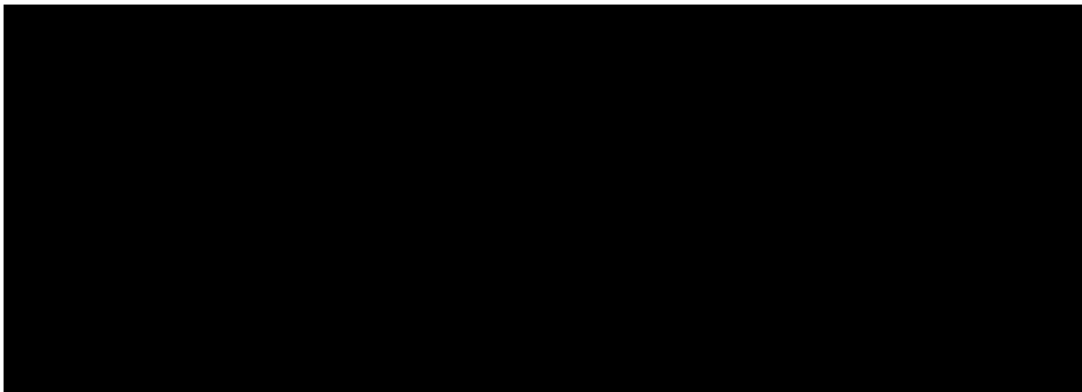
The impacts to our community, including increased and dangerous traffic, foul odours, noise, constant litter and dust, possible health impacts, decreased property values, as well as the stigma of living in a community with an active landfill, far outweigh the financial benefits that are currently being paid to the township or to the landowners who have to constantly clean up litter that has blown onto their properties as well as deal with all the other negative impacts.

In our opinion, the *current* size of the operation more than justifies the presence of a daily Ministry of Environment inspector and we are very disappointed that the promises made to our community at the opening of this facility are no longer being maintained in this regard. The impacts to our community were far less when a full time, daily inspector was in place, as evidenced by the steady increase in complaints since the change occurred. The problems have only increased as the mountain continues to grow and we are afraid that if this expansion is approved that the negative impacts will grow with it.

We feel that Waste Management needs to step up their game when it comes to complaint procedures. People do not feel that their complaints are being heard and addressed by Waste Management and they turn to social media to vent, giving a negative perception to those who live outside our community but may be considering moving here. (Please see the attached screenshots for just a few examples of this) The constant complaints and negative attention on social media makes economic development and expansion of our residential tax base much more challenging. We would like to see a *strong* effort from Waste Management to improve public relations and perception of their facility and to mend fences that have been torn down by lack of attention to our communities needs.

Waste Management is not just another business within our community. The significant negative impacts this facility creates requires special attention to the needs of the people who live here and it is our hope that WM will make a concerted effort to greatly improve their presence here in Warwick Township going forward, regardless of the outcome of the expansion proposal.

Sincerely,



When I take my recyclables to the site, I find a shocking amount of "stuff" that people should not have thrown into the lug. If it is cardboard, why put in you old worn out plastic lawn chair? If it is in the "for garbage only" lug, why put in your steel? Some people are so sloppy, as there is trash on the cement as you approach the bin you want to put garbage into, I have had to pick up

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From: Jenken, Wayne <WJenken@wm.com>
Sent on: Wednesday, December 9, 2020 9:40:34 PM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>
CC: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: FW: DRAFT*** WPLC Meeting Minutes from Nov 26, 2020
Attachments: 201208 - DRAFT WPLC Meeting Minutes - November 26 2020.docx (217.59 KB)

Follow up: Follow up
Start date: Thursday, December 10, 2020 12:00:00 AM
Due date: Thursday, December 10, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Larry,

Draft wplc meeting minutes attached – including discussion of the optimization project. Minutes will be finalized after a comment period. I'll send final version but thought you might as well have draft for now.

Regards.

WAYNE JENKEN

Area Landfill Engineer
 Eastern Canada Area
wjenken@wm.com

T: 519.849.5810
 C: 519.381.3017
 5768 Nauvoo Road
 Watford, ON. N0M 2S0



From: Hassan Fakhri <Hassan.Fakhri@rwdi.com>
Sent: Tuesday, December 8, 2020 12:47 PM
To: McLachlan, Angela <amclachi@wm.com>; McDonald, John <jmcdon10@wm.com>
Cc: Jenken, Wayne <WJenken@wm.com>; Brent Langille <Brent.Langille@rwdi.com>; Jeff Cleland <Jeffery.Cleland@RWDI.com>
Subject: [EXTERNAL] DRAFT*** WPLC Meeting Minutes from Nov 26, 2020

Good afternoon Angela/John,

Please see the attached draft meeting minutes for your review. Note that the two week turnaround period for the distribution of the final version of the minutes to the WPLC is **Thursday of this week.**

Angela – can you confirm how far in advance you distribute material to the WPLC members prior to the meetings? One of the items that was brought up was a request to have the quarterly report presentation provided as part of that distribution package.

Please let us know of any questions.

Regards,



Hassan Fakhri, B.Sc. | PROJECT MANAGER | SCIENTIST
 RWDI
 4510 Rhodes Drive, Suite 530, Windsor, ON N8W 5K5 Canada
 Tel: (519) 823-1311 ext 2984 | Fax: (519) 823-1316 | Mobile: (226) 218-0076
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A large, bold, black letter 'G' is centered on the page. It is positioned to the right of a vertical bar that is dark green on top and light grey on the bottom.

Agencies Consultation and
Engagement



Notice of Commencement and Virtual Consultation & Engagement Event 1 Terms of Reference for an Environmental Assessment Twin Creeks Environmental Centre Landfill Optimization Project

Waste Management of Canada Corporation (WM), the owner and operator of the Twin Creeks Environmental Centre (TCEC) in Watford, Ontario, has initiated an Environmental Assessment (EA) seeking approval to optimize the landfill design and operation, maximizing the use of the constructed infrastructure and the significant investment made at the TCEC. The optimization could involve a vertical expansion of the landfill within the approved 101.8 ha Expansion Landfill footprint by modifying the side slopes and increasing the elevation of the landfill. This optimization could provide additional airspace of up to approximately 14M m³, which could extend the site life by approximately 12 years (from 2032 to 2044). There would be no change to the current 101.8 ha landfill footprint area, the approved service area, or the annual fill rate.

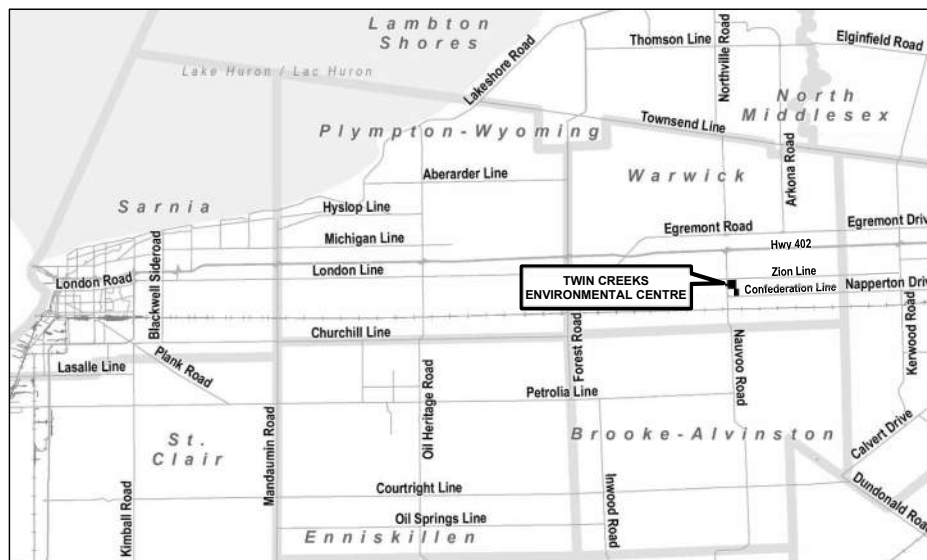
There is a need for the continued development of the TCEC as it is a significant component of the provincial waste management network and infrastructure, which is lacking in sufficient and secure long-term disposal capacity. Optimizing the future development of the TCEC allows for on-going sustainable business operations and continued provision of essential financial support for community services and programs.

The TCEC is located in the Township of Warwick near the Village of Watford, at the corner of Nauvoos Road and Zion Line (see Key Plan below). The purpose of the EA is to assess the potential effects of the proposed landfill optimization on the environment.

The Process

The EA will be carried out in accordance with the requirements of the *Ontario Environmental Assessment Act*. The first step in the process is the preparation of a Terms of Reference. The Terms of Reference will set out the framework and work plan for addressing the *Ontario Environmental Assessment Act* requirements when preparing the EA, including such things as the alternatives that will be considered, and the public consultation and engagement activities that will be carried out. If approved by the Minister, the Terms of Reference will provide the framework and requirements for the preparation of the EA.

KEY PLAN



Consultation and Engagement

Members of the public, agencies, Indigenous communities, and other interested persons are encouraged to actively participate in the Terms of Reference planning process by participating in consultation and engagement opportunities or contacting staff directly with comments or questions. Consultation and engagement opportunities are being planned throughout the process and 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).

WM invites you to attend **Virtual Consultation & Engagement Event 1** to introduce and provide an overview of the landfill optimization project, present the development and contents of the Terms of Reference, the EA process, and information on the rationale, proposed alternatives, and the consultation and engagement process that will be followed during the development of the EA. **Virtual Consultation & Engagement Event 1** is an online event accessible from the project website www.wm.com/ca/en/twin-creeks-landfill/landfill-optimization-project, which will run between **Tuesday, November 17 and Friday, December 4, 2020**. You are encouraged to participate by reviewing the information provided during the event and providing feedback.

In addition to participating in **Virtual Consultation & Engagement Event 1**, you are invited to submit your 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
Waste Management of Canada Corporation
5768 Nauvoos 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 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 for the purposes 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 s.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, please contact the Ministry of the Environment, Conservation and Parks' Freedom of Information and Privacy Coordinator at 416-327-1434.

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1 of 18 Next > X ⓘ

From: Fedec, Larry <Larry.Fedec@hdrinc.com> on behalf of Fedec, Larry
Sent on: Tuesday, October 27, 2020 7:24:38 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: FW: GRT_excluding_MECP
Attachments: GRT_excluding_MECP.docx (112.7 KB)

Follow up: Follow up
Start date: Tuesday, October 27, 2020 12:00:00 AM
Due date: Tuesday, October 27, 2020 12:00:00 AM

Larry Fedec, P.Eng., MBA
D 289.695.4696 M 416.571.2130

hdrinc.com/follow-us

From: Desautels, Solange (MECP) [mailto:Solange.Desautels@ontario.ca]
Sent: Tuesday, October 27, 2020 3:17 PM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>
Cc: Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>
Subject: GRT_excluding_MECP

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As requested here is the most recent GRT list (July 2020).

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< Previous 3 of 18 Next > X ⓘ

From: Fedec, Larry <Larry.Fedec@hdrinc.com> on behalf of Fedec, Larry
Sent on: Wednesday, October 28, 2020 1:38:06 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: FW: WM Twin Creeks Optimization Project - Meeting Follow up

Follow up: Follow up

Start date: Wednesday, October 28, 2020 12:00:00 AM

Due date: Wednesday, October 28, 2020 12:00:00 AM

Larry Fedec, P.Eng., MBA
 D 289.695.4696 M 416.571.2130

hdrinc.com/follow-us

From: Desautels, Solange (MECP) [mailto:Solange.Desautels@ontario.ca]
Sent: Wednesday, October 28, 2020 9:26 AM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>; Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>; Brown, Peter (MECP) <Peter.Brown@ontario.ca>
Cc: Wayne Jenken <WJenken@wm.com>
Subject: RE: WM Twin Creeks Optimization Project - Meeting Follow up

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Further to your email, as a start point please find information on interest based communities as confirmed by Peter Brown.

The following communities may be impacted by or otherwise interested in the Twin Creeks Optimization Project and should be consulted for the purposes of an environmental assessment:

- Aamjiwnaang First Nation
- Bkejwanong (Walpole Island) First Nation
- Caldwell First Nation
- Chippewas of Kettle and Stony Point
- Chippewas of the Thames First Nation
- Delaware Nation (Moravian of the Thames)
- Munsee Delaware Nation
- Oneida Nation of the Thames
- Metis Nation of Ontario Windsor Essex Metis Council (cc. Lands, Resources and Consultations Branch)

Please note that this list may be subject to change as new information becomes available.

Solange Desautels | Supervisor Central and East Unit | Environmental Assessment Services Section | Environmental Assessment Branch | Ministry of the Environment, Conservation and Parks | 135 St Clair Ave W |1st Floor |Toronto ON M4V 1P5| T: 416-992-5867 | Solange.desautels@ontario.ca

From: Fedec, Larry <Larry.Fedec@hdrinc.com>
Sent: October 27, 2020 2:23 PM
To: Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>; Desautels, Solange (MECP) <Solange.Desautels@ontario.ca>; Brown, Peter (MECP) <Peter.Brown@ontario.ca>
Cc: Wayne Jenken <WJenken@wm.com>
Subject: WM Twin Creeks Optimization Project - Meeting Follow up

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Andrew, Solange and Peter

On behalf of WM, I would like to thank you again for taking the time to meet with Wayne and myself regarding WM's proposed Twin Creeks Optimization Project.

As requested, please find attached a preliminary project description and site map. My understanding is that Peter will use this to identify the list of Indigenous communities to be consulted during the EA process.

A question was asked if the Metis Nation of Ontario provided any comments during the Environmental Screening undertaken in 2016/2017. I have reviewed our records and can confirm that they did not respond. As discussed, comments were received from Walpole Island First Nation consistent with WM's ongoing engagement with the community. Correspondence was also received from the Chippewas of the Thames First Nation and a copy is attached for your information.

We look forward to a Project Officer being assigned to this file shortly. In the interim, we are preparing for posting and distributing the Notice of Commencement of the ToR. Can I ask that you provide us with the most current copy of the GRT list so that we can update/prepare our contact list for the project?

Thanks again and we look forward to working with the Ministry. Please let us know if you require any additional information.

Regards ... Larry

Larry Fedec, P.Eng., MBA
 Solid Waste Program Leader, Canada

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From: Jenken, Wayne <WJenken@wm.com>
Sent on: Thursday, November 12, 2020 7:52:18 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>; Fedec, Larry <Larry.Fedec@hdrinc.com>
CC: Jenken, Wayne <wjenken@wm.com>
Subject: Conference call with Monte McNaughton

Follow up: Follow up

Start date: Thursday, November 12, 2020 12:00:00 AM

Due date: Thursday, November 12, 2020 12:00:00 AM

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On November 11, 2020 at 1pm we had a conference call with Monte McNaughton – MPP for Lambton – Kent – Middlesex

Attendees: MPP Monte McNaughton, Nicole Willett & Wayne Jenken

Discussion topics:

- Introductions
- TCEC background – location within constituency, engineered features (liner, leachate and landfill gas management), monitoring and reporting, 12 years capacity remaining
- Agreements with Warwick and Walpole Island First Nation, revenue sharing and other donations, review teams in place
- Proposed project – landfill optimization, possible slope adjustment and/or vertical expansion, up to 12 years added capacity, no change to annual tonnage, traffic or service area
- Questions from MPP McNaughton
 - Are there differing scenarios being considered – yes as part of the EA process different alternatives will be considered to optimize the landfill
 - Is the relationship good with Warwick – yes WM has a good relationship and ongoing discussion with both the Township of Warwick and the County of Lambton
 - When will a decision be made – We expect the EA process and compliance approvals to take approximately 5 years to complete
- Thanks and sign off

Regards.

WAYNE JENKEN

Area Landfill Engineer

Eastern Canada Area

wjenken@wm.com

T: 519.849.5810

C: 519.381.3017

5768 Nauvoo Road

Watford, ON. N0M 2S0



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From: Jenken, Wayne <WJenken@wm.com>
Sent on: Friday, November 13, 2020 4:45:01 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>; Fedec, Larry <Larry.Fedec@hdrinc.com>
CC: Jenken, Wayne <wjenken@wm.com>
Subject: Conference call with Bob Bailey

Follow up: Follow up

Start date: Friday, November 13, 2020 12:00:00 AM

Due date: Friday, November 13, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

On November 13, 2020 at 11am we had a conference call with Bob Bailey – MPP for Sarnia - Lambton

Attendees: MPP Bob Bailey, Andrew , Nicole Willett & Wayne Jenken

Discussion topics:

- Introductions
- TCEC background – location close to constituency, engineered features (liner, leachate and landfill gas management), monitoring and reporting, 12 years capacity remaining
- Agreements with Warwick and Walpole Island First Nation, revenue sharing and other donations, review teams in place
- Proposed project – landfill optimization, possible slope adjustment and/or vertical expansion, up to 12 years added capacity, no change to annual tonnage, traffic or service area
- Questions and comments from MPP Bailey
 - Is the gas from the landfill being used or could it be used – yes part of the collected landfill gas is being used to heat a neighbouring greenhouse to grow vegetables.
 - Could the gas be used for RNG – yes we hope in the future to utilize landfill gas from the site as RNG and hope to work with the Ministers of Environment and Energy to facilitate a connection to the grid.
 - Is a site tour of the facility available – yes we would be happy to offer a site tour
 - Note that MPP office was not aware of any negative comments and has had good dialogue with Warwick Township mayor
 - Will the revenue share be continued through the proposed expansion – yes WM will continue to share revenue with both the municipality and Walpole Island First Nation
 - Note about wishing there was still a landfill in MPP riding – is there any chance of reopening the Petrolia landfill – unlikely but WM would never say never
 - Requested to be included in project mailing list
- Thanks and sign off

Regards.

WAYNE JENKEN

Area Landfill Engineer
Eastern Canada Area
wjenken@wm.com

T: 519.849.5810
C: 519.381.3017
5768 Nauvoo Road
Watford, ON. N0M 2S0



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From: Jenken, Wayne <WJenken@wm.com>
Sent on: Monday, November 16, 2020 8:58:05 PM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>; Beri, Kelly <Kelly.Beri@hdrinc.com>
CC: Jenken, Wayne <wjenken@wm.com>
Subject: FW: Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA
Attachments: WM TCEC - Notice of Commencement of ToR and VCEE1 (8.5x11).pdf (617.77 KB)

Follow up: Follow up
Start date: Monday, November 16, 2020 12:00:00 AM
Due date: Monday, November 16, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

On November 16, 2020 at 1:30pm we had a Zoom meeting with the Township of Warwick.

Attendees: Jackie Rombouts, Amanda Gubbels, Trevor Jarrett, John McDonald & Wayne Jenken

Discussion topics:

- Introductions
- Proposed project – landfill optimization, possible slope adjustment and/or vertical expansion, up to 12 years added capacity, no change to annual tonnage, traffic or service area
- Notice of Commencement will be provided immediately after call. Notice includes link to project website and project website includes Virtual Consultation & Engagement Event
- Questions and comments from Township of Warwick
 - Warwick has a Council meeting at 3pm. Could we have a copy of the Notice of Commencement prior to the meeting. – Yes Notice of Commencement will be issued after this call (and was issued to attendees at 2:56pm – email included below).
 - When is the next WPLC meeting and when will WPLC be notified of the project? – The next WPLC meeting is November 26, 2020 at 6pm. The Notice of Commencement will be issued to WPLC later today.
 - How will the Notice of Commencement be published – The Notice of Commencement will be published in the Sarnia Observer tomorrow and in the Watford Standard later this week.
 - Have you considered publishing in the Petrolia Independent as it has a good local circulation? – We have not planned to use the Independent for this Notice but will investigate if we can get it out for this Notice and will ensure that future publications use the Petrolia Independent as well as the Sarnia and Watford papers.
 - Will the current Host Agreement be maintained or be amended? – We think the current Host Municipality Agreement works well for the current operation however we acknowledge we will need to look at its structure going forward as it relates to additional airspace resulting from the landfill optimization.
 - When should we start discussions involving the TRT? – Ideally as soon as possible. We've opened the Consultation and Engagement event for three weeks and are hoping to engage with all project stakeholders, including the Township of Warwick and the Technical Review Team during this time. We are ready to begin discussion and would like to have ongoing discussion throughout the project.
- Meeting continued with discussion of regular monthly meeting agenda items.
- Thanks and sign off

Regards.

WAYNE JENKEN

Area Landfill Engineer
 Eastern Canada Area
wjenken@wm.com

T: 519.849.5810
 C: 519.381.3017
 5768 Nauvoo Road
 Watford, ON. N0M 2S0



From: Jenken, Wayne <WJenken@wm.com>
Sent: Monday, November 16, 2020 2:56 PM
To: 'Amanda Gubbels' <agubbels@warwicktownship.ca>; Jackie_Rombouts@hotmail.com; Trevor Jarrett <TJarrett@warwicktownship.ca>
Cc: McDonald, John <jmcdon10@wm.com>; Jenken, Wayne <WJenken@wm.com>
Subject: Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA

Amanda, Jackie and Trevor,

Please find attached the Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA TCEC Landfill Optimization Project.

From: Jenken, Wayne <WJenken@wm.com>

Sent: Monday, November 16, 2020 2:56 PM

To: 'Amanda Gubbels' <agubbels@warwicktownship.ca>; Jackie_Rombouts@hotmail.com; Trevor Jarrett <TJarrett@warwicktownship.ca>

Cc: McDonald, John <jmcdon10@wm.com>; Jenken, Wayne <WJenken@wm.com>

Subject: Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA

Attachments: WM TCEC - Notice of Commencement of ToR and VCEE1 (8.5x11).pdf

Amanda, Jackie and Trevor,

Please find attached the Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA TCEC Landfill Optimization Project. The Notice of Commencement includes a link to the project website.

Please do not hesitate to reach out with any questions or comments.

The

Regards.

WAYNE JENKEN

Area Landfill Engineer

Eastern Canada Area

wjenken@wm.com

T: 519.849.5810

C: 519.381.3017

5768 Nauvoo Road

Watford, ON. N0M 2S0



Beri, Kelly

From: Beri, Kelly
Sent: Tuesday, November 17, 2020 1:34 PM
To: jason.cole@county-lambton.on.ca; ken.melanson@county-lambton.on.ca;
matt.deline@county-lambton.on.ca; publichealth@county-lambton.on.ca;
ron.vanhorne@county-lambton.on.ca; stephane.thiffeault@county-lambton.on.ca
Subject: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms
of Reference - Twin Creeks Environmental Centre Landfill Optimization Project
Attachments: WM TCEC - Notice of Commencement of ToR and VCEE1 (8.5x11).pdf

Good afternoon,

On behalf of Waste Management of Canada Corporation (WM), please find attached a Notice of Commencement for the Environmental Assessment Terms of Reference for WM's Twin Creeks Environmental Centre Landfill Optimization Project.

The Notice of Commencement contains a link to the project website and an invitation to Virtual Consultation & Engagement Event 1, which will run between November 17 and December 4, 2020.

Regards,

Kelly Beri, B.A.Sc.
Environmental Planner

HDR
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
D 416.895.5428
kelly.beri@hdrinc.com

hdrinc.com/follow-us

Beri, Kelly

From: Beri, Kelly
Sent: Tuesday, November 17, 2020 1:47 PM
To: andrew.evers@ontario.ca; james.buhrow@ontario.ca; kathleen.oneill@ontario.ca; lee.orphan@ontario.ca; maryjane.corda@ontario.ca; michael.harris@ontario.ca; mohsen.keyvani@ontario.ca; peter.brown@ontario.ca; sean.morrison@ontario.ca; solange.desautels@ontario.ca
Subject: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project
Attachments: WM TCEC - Notice of Commencement of ToR and VCEE1 (8.5x11).pdf

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Regards,

Kelly Beri, B.A.Sc.
Environmental Planner

HDR
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
D 416.895.5428
kelly.beri@hdrinc.com

[hdrinc.com/follow-us](https://www.hdrinc.com/follow-us)

Beri, Kelly

From: Beri, Kelly
Sent: Tuesday, November 17, 2020 1:46 PM
To: Undisclosed Recipients (Kelly.Beri@hdrinc.com)
Subject: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project
Attachments: WM TCEC - Notice of Commencement of ToR and VCEE1 (8.5x11).pdf
Bcc: anjala.puvananathan@canada.ca; anneleis.eckert@ontario.ca; bob.baileyco@pc.ola.org; drew.crinklaw@ontario.ca; erick.boyd@ontario.ca; jennifer.davey@opp.ca; karina.cerniavskaja@ontario.ca; karla.barboza@ontario.ca; maa.ea.review@ontario.ca; michele.doncaster@ontario.ca; monte.mcnaughtonco@pc.ola.org; planning@scrca.on.ca; robert.greene@ontario.ca; shodgkiss@scrca.on.ca; wesley.plant@canada.ca

Good afternoon,

On behalf of Waste Management of Canada Corporation (WM), please find attached a Notice of Commencement for the Environmental Assessment Terms of Reference for WM's Twin Creeks Environmental Centre Landfill Optimization Project.

The Notice of Commencement contains a link to the project website and an invitation to Virtual Consultation & Engagement Event 1, which will run between November 17 and December 4, 2020.

Regards,

Kelly Beri, B.A.Sc.
Environmental Planner

HDR
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
D 416.895.5428
kelly.beri@hdrinc.com

hdrinc.com/follow-us

Beri, Kelly

From: Beri, Kelly
Sent: Tuesday, November 17, 2020 1:43 PM
To: Undisclosed Recipients (Kelly.Beri@hdrinc.com)
Subject: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project
Attachments: WM TCEC - Notice of Commencement of ToR and VCEE1 (8.5x11).pdf
Bcc: picajose@cscprovidence.ca; john.howitt@lkdsb.net; deb.crawford@st-clair.net

Good afternoon,

On behalf of Waste Management of Canada Corporation (WM), please find attached a Notice of Commencement for the Environmental Assessment Terms of Reference for WM's Twin Creeks Environmental Centre Landfill Optimization Project.

The Notice of Commencement contains a link to the project website and an invitation to Virtual Consultation & Engagement Event 1, which will run between November 17 and December 4, 2020.

Regards,

Kelly Beri, B.A.Sc.
Environmental Planner

HDR
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
D 416.895.5428
kelly.beri@hdrinc.com

hdrinc.com/follow-us

Beri, Kelly

From: Beri, Kelly
Sent: Tuesday, November 17, 2020 1:40 PM
To: amaver@warwicktownship.ca; warwickfire@warwicktownship.ca; watfordfire@warwicktownship.ca
Cc: agubbels@warwicktownship.ca; tjarrett@warwicktownship.ca
Subject: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project
Attachments: WM TCEC - Notice of Commencement of ToR and VCEE1 (8.5x11).pdf

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Regards,

Kelly Beri, B.A.Sc.
Environmental Planner

HDR
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
D 416.895.5428
kelly.beri@hdrinc.com

hdrinc.com/follow-us

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From: Fedec, Larry <Larry.Fedec@hdrinc.com> on behalf of Fedec, Larry
Sent on: Tuesday, November 17, 2020 2:23:54 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: FW: [EXTERNAL] Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA

Follow up: Follow up

Start date: Tuesday, November 17, 2020 12:00:00 AM

Due date: Tuesday, November 17, 2020 12:00:00 AM

Larry Fedec, P.Eng., MBA
D 289.695.4696 M 416.571.2130

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From: Jason Cole <jason.cole@county-lambton.on.ca>
Sent: Tuesday, November 17, 2020 9:22 AM
To: Jenken, Wayne <wjenken@wm.com>
Cc: Fedec, Larry <Larry.Fedec@hdrinc.com>
Subject: RE: [EXTERNAL] Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Wayne,

For the distribution you already have listed:

Matt Deline, Manager, Public Works

Ken Melanson, Manager, Planning & Development Services

Jason Cole, General Manager, Infrastructure & Development Services

Suggested additional:

Ron Van Horne, CAO - he should be aware

Stéphane Thiffault, General Manager, Corporate Services, Legal Services & Clerks Department - as the Clerk, he is the official contact

Adding them will reduce internal distribution. Thanks.

Jason Cole, P.Eng.
General Manager, Infrastructure & Development Services
County of Lambton
519-845-5413

From: Jenken, Wayne [mailto:WJenken@wm.com]
Sent: November-16-20 3:20 PM
To: Jason Cole
Cc: Jenken, Wayne; Fedec, Larry
Subject: [EXTERNAL] Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA

Caution: This email originated from outside of the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.

Jason,

I left you a voicemail earlier today. I want to let you know, in advance of public notice tomorrow, that WM is announcing a landfill optimization project for the Twin Creeks Environmental Centre.

Please find attached the Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA TCEC Landfill Optimization Project. The Notice of Commencement includes a link to the project website.

Tomorrow we will distribute the Notice of Commencement to a list of project stakeholders. For the County of Lambton this includes Matt DeLine, Ken Melanson and yourself. We are trying to confirm if there are others at the County who should receive notification (County General Manager, County Planner, etc.). Are you able to confirm names and contacts for these positions?

Please do not hesitate to reach out with any questions or comments.

Regards.

WAYNE JENKEN
Area Landfill Engineer
Eastern Canada Area

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From: Fedec, Larry <Larry.Fedec@hdrinc.com> on behalf of Fedec, Larry
Sent on: Tuesday, November 17, 2020 2:23:54 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: FW: [EXTERNAL] Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA

Follow up: Follow up

Start date: Tuesday, November 17, 2020 12:00:00 AM

Due date: Tuesday, November 17, 2020 12:00:00 AM

Larry Fedec, P.Eng., MBA
D 289.695.4696 M 416.571.2130

hdrinc.com/follow-us

From: Jason Cole <jason.cole@county-lambton.on.ca>
Sent: Tuesday, November 17, 2020 9:22 AM
To: Jenken, Wayne <wjken@wm.com>
Cc: Fedec, Larry <Larry.Fedec@hdrinc.com>
Subject: RE: [EXTERNAL] Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA

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Matt Deline, Manager, Public Works

Ken Melanson, Manager, Planning & Development Services

Jason Cole, General Manager, Infrastructure & Development Services

Suggested additional:

Ron Van Horne, CAO - he should be aware

Stéphane Thiffault, General Manager, Corporate Services, Legal Services & Clerks Department - as the Clerk, he is the official contact

Adding them will reduce internal distribution. Thanks.

Jason Cole, P.Eng.
General Manager, Infrastructure & Development Services
County of Lambton
519-845-5413

From: Jenken, Wayne [mailto:WJenken@wm.com]
Sent: November-16-20 3:20 PM
To: Jason Cole
Cc: Jenken, Wayne; Fedec, Larry
Subject: [EXTERNAL] Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA

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Please find attached the Twin Creeks Notice of Commencement and Virtual Consultation and Engagement Event Terms of Reference for an EA TCEC Landfill Optimization Project. The Notice of Commencement includes a link to the project website.

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Please do not hesitate to reach out with any questions or comments.

Regards.

WAYNE JENKEN
Area Landfill Engineer
Eastern Canada Area

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From: Jenken, Wayne <WJenken@wm.com>
Sent on: Friday, November 20, 2020 2:13:26 PM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>; Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: Fwd: New MECP Inspector

Follow up: Follow up

Start date: Monday, November 23, 2020 12:00:00 AM

Due date: Monday, November 23, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

New mecp officer for twin creeks

Regards,

Wayne Jenken

Begin forwarded message:

From: "McLachlan, Angela" <amclachl@wm.com>
Date: November 20, 2020 at 08:55:04 EST
To: "Jenken, Wayne" <WJenken@wm.com>
Subject: FW: New MECP Inspector

FYI on below.

From: Does, Nicole (MECP) <Nicole.Does@ontario.ca>
Sent: Thursday, November 19, 2020 3:11 PM
To: McDonald, John <jmcdon10@wm.com>; McLachlan, Angela <amclachl@wm.com>; Hassan Fakhri <Hassan.Fakhri@rwdi.com>
Cc: Buhrow, James (MECP) <James.Buhrow@ontario.ca>
Subject: [EXTERNAL] RE: New MECP Inspector

Thanks John, please see my contact information below (the phone number is my cell).

Nicole Does

Senior Environmental Officer
 Sarnia District Office | Southwestern Region
 Ministry of the Environment, Conservation and Parks
 1094 London Rd., Sarnia ON. N7S 1P1
 T: (226) 932-6215

From: McDonald, John <jmcdon10@wm.com>
Sent: November 19, 2020 8:05 AM
To: Buhrow, James (MECP) <James.Buhrow@ontario.ca>; McLachlan, Angela <amclachl@wm.com>; Hassan Fakhri <Hassan.Fakhri@rwdi.com>
Cc: Corda, Mary Jane (MECP) <Maryjane.Corda@ontario.ca>; Does, Nicole (MECP) <Nicole.Does@ontario.ca>
Subject: RE: New MECP Inspector

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Thanks James, it was a pleasure working with you and look forward to future interactions

Welcome Nicole, when you get some time can you provide me your cell phone #

John McDonald

Sr District Manager – Disposal
 Waste Management
 Twin Creeks Environmental Center

jmcdon10@wm.com
 Tel 5482290037
 Cell 226-932-2373





Impact Assessment
Agency of Canada

Ontario Region
600-55 York Street
Toronto ON M5J 1R7

Agence d'évaluation
d'impact du Canada

Région de l'Ontario
600-55 rue York
Toronto ON M5J 1R7

November 27, 2020

Sent by email

Kelly Beri
Environmental Planner
HDR Inc.
100 York Boulevard
Suite 300
Richmond Hill ON L4B 1J8
Kelly.beri@hdrinc.com

Dear Kelly Beri:

Subject: Non-applicability of the *Impact Assessment Act* to the proposed Twin Creeks Environmental Centre Landfill Optimization Project

Thank you for your correspondence, dated November 11, 2020, regarding the proposed Twin Creek Environmental Centre Landfill Optimization Project.

The *Impact Assessment Act* (IAA) outlines a process for assessing the impacts of certain major projects, including the assessment of positive and negative environmental, economic, health and social effects that are within the legislative authority of the Parliament of Canada. The *Physical Activities Regulations* (also known as the Project List) describe those projects that have the greatest potential to cause adverse effects in those areas and are subject to the requirements of IAA. Proponents of those projects are required to submit an Initial Project Description to the Impact Assessment Agency of Canada (the Agency).

Based on the information available to the Agency, your project does not appear to be described on the Project List. **Kindly review the requirements of IAA, including the Project List.**

If you believe that your project is not subject to IAA, and do not intend to submit an Initial Project Description, we kindly request that you remove the Agency from your distribution list.

.../2



If you have any questions, please feel free to contact us at
iaac.ontarioregion-regiondontario.aeic@canada.ca.

The attachment that follows provides web links to useful legislation, regulation,
and guidance documents.

Sincerely,

A handwritten signature in black ink, appearing to be 'AP', with a long horizontal flourish extending to the right.

Anjala Puvananathan
Director, Ontario Region

Enclosure: Useful Legislation, Regulation, and Guidance Documents

Attachment – Useful Legislation, Regulation, and Guidance Documents

For more information on the *Impact Assessment Act*, please refer to the following links:

Legislation and Regulations:

<https://www.canada.ca/en/impact-assessment-agency/corporate/acts-regulations/legislation-regulations.html>

Impact Assessment Process Overview:

<https://www.canada.ca/en/impact-assessment-agency/services/policy-guidance/impact-assessment-process-overview.html>

Practitioner's Guide to Federal Impact Assessments under the *Impact Assessment Act*:

<https://www.canada.ca/en/impact-assessment-agency/services/policy-guidance/practitioners-guide-impact-assessment-act.html>

Compendium of Policies and Guidance Documents:

<https://www.canada.ca/en/impact-assessment-agency/services/policy-guidance.html>

Government of Canada News Release dated August 8, 2019:

<https://www.canada.ca/en/impact-assessment-agency/news/2019/08/better-rules-for-impact-assessments-come-into-effect-this-month.html>

From: Jenken, Wayne <WJenken@wm.com>
Sent on: Monday, November 30, 2020 3:24:32 AM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>; Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: FW: Question regarding engagement event

Follow up: Follow up
Start date: Monday, November 30, 2020 12:00:00 AM
Due date: Monday, November 30, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

For your records.

Regards.

WAYNE JENKEN

Area Landfill Engineer
 Eastern Canada Area
wjenken@wm.com

T: 519.849.5810
 C: 519.381.3017
 5768 Nauvoo Road
 Watford, ON. N0M 2S0



From: Jenken, Wayne <WJenken@wm.com>
Sent: Sunday, November 29, 2020 10:05 PM
To: 'Amanda Gubbels' <agubbels@warwicktownship.ca>
Cc: Jenken, Wayne <WJenken@wm.com>
Subject: Question regarding engagement event

Amanda,

During our call on November 25, 2020 you asked a question regarding Virtual Consultation and Engagement Event 1. You asked about the collection of name and email details for commenters to the Engagement Event. I wanted to get back to you with a response.

It is not a requirement of the EA process to collect personal information however it is best practice. The collection of attendee information is common at open house events and as the Landfill Optimization Engagement Event is substituting for an open house we want to ensure we record this information. The personal information will also be useful to understand the commenters background as it relates to the proposed project (ie if they are a Township resident) and lastly their contact information will allow us to follow up with a response or clarification if required. For these reasons we believe that collecting name and email information as well as any other information a commenter may provide will be beneficial to the project. It should also be noted that the Ministry of Environment, Conservation and Parks also requests the public to provide personal information when submitting comments to the Ministry.

We do clarify that as comments are collated and included in project reports the personal information will be redacted.

I hope this response addresses your question. If you need anything else please let me know.

Regards.

WAYNE JENKEN

Area Landfill Engineer
 Eastern Canada Area
wjenken@wm.com

T: 519.849.5810
 C: 519.381.3017
 5768 Nauvoo Road
 Watford, ON. N0M 2S0



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From: Ontario Region / Region d'Ontario (IAAC/AEIC) <iaac.ontarioregion-regiondontario.aeic@canada.ca>
Sent on: Monday, November 30, 2020 8:53:26 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: RE: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project
Attachments: Letter - IAAC to Beri - Twin Creeks Environmental Centre Landfill.pdf (315.33 KB)

Follow up: Follow up
Start date: Monday, November 30, 2020 12:00:00 AM
Due date: Monday, November 30, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Kelly,

Please see attached response to your email regarding the Twin Creeks Environmental Centre Landfill Optimization Project.

Kind regards,
Kim Valentine
Administrative Clerk, Ontario Region
Impact Assessment Agency of Canada / Government of Canada
Kimberly.Valentine@canada.ca / Tel: 416-952-1576

Commiss administrative, Bureau régional de l'Ontario
Agence d'évaluation d'impact du Canada / Gouvernement du Canada
Kimberly.Valentine@canada.ca / Tél. : 416-952-1576

From: Beri, Kelly <Kelly.Beri@hdrinc.com>
Sent: November 17, 2020 1:46 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project

Good afternoon,

On behalf of Waste Management of Canada Corporation (WM), please find attached a Notice of Commencement for the Environmental Assessment Terms of Reference for WM's Twin Creeks Environmental Centre Landfill Optimization Project.

The Notice of Commencement contains a link to the project website and an invitation to Virtual Consultation & Engagement Event 1, which will run between November 17 and December 4, 2020.

Regards,

Kelly Beri, B.A.Sc.
Environmental Planner

HDR
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
D 416.895.5428
kelly.beri@hdrinc.com
hdrinc.com/follow-us

From: MNRF Ayl Planners (MNRF) <MNRF.Ayl.Planners@ontario.ca>
Sent on: Thursday, December 3, 2020 1:53:38 PM
To: Jenken, Wayne <wjenken@wm.com>; Fedec, Larry <Larry.Fedec@hdrinc.com>
CC: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: RE: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project
Attachments: WM TCEC - Notice of Commencement of ToR and VCEE1 (8.5x11).pdf (617.77 KB), NHGuide_MNRF_2019-04-01.pdf (991.5 KB)

Follow up: Follow up
Start date: Thursday, December 3, 2020 12:00:00 AM
Due date: Thursday, December 3, 2020 12:00:00 AM

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**Ministry of Natural
Resources and Forestry**

**Ministère des Richesses
naturelles et des Forêts**



615 John Street North
Aylmer, ON N5H 2S8
Tel: 519-773-9241
Fax: 519-773-9014

615, rue John Nord
Aylmer ON N5H 2S8
Tél: 519-773-9241
Télééc: 519-773-9014

December 3, 2020

Wayne Jenken
Area Landfill Manager, Eastern Canada Area
Waste Management of Canada Corporation
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

Subject: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project

The Ministry of Natural Resources and Forestry (MNRF) Aylmer District received the notice for the proposed Twin Creeks Environmental Centre Landfill Optimization project. Thank you for circulating this information to our office, however, please note that we have not completed a screening of natural heritage or other resource values for the project at this time. Please also note that it is your responsibility to be aware of and comply with all relevant federal or provincial legislation, municipal by-laws or other agency approvals.

This response provides information to guide you in identifying and assessing natural features and resources as required by applicable policies and legislation, and engaging with MNRF Aylmer District for advice as needed.

Natural Heritage & Endangered Species Act

In order to provide the most efficient service possible, the attached Natural Heritage Information Request Guide has been developed to assist you with accessing natural heritage data and values from convenient online sources.

It remains the proponent's responsibility to complete a preliminary screening for each project, to obtain available information from multiple sources, to conduct any necessary field studies, and to consider any potential environmental impacts that may result from an activity. We wish to emphasize the need for the proponents of development activities to complete screenings prior to contacting the Ministry or other agencies for more detailed technical information and advice.

The Ministry continues to work on updating data housed by Land Information Ontario and the Natural Heritage Information Centre, and ensuring this information is accessible through online resources. Species at risk data is regularly being updated. To ensure access to reliable and up to date information, please contact the Ministry of the Environment, Conservation and Parks at SAROntario@ontario.ca.

Petroleum Wells & Oil, Gas and Salt Resource Act

There may be petroleum wells within the proposed project area. Please consult the Ontario Oil, Gas and Salt Resources Library website (www.oqsrlibrary.com) for the best known data on any wells recorded by MNRF. Please reference the 'Definitions and Terminology Guide' listed in

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From: Fedec, Larry <Larry.Fedec@hdrinc.com> on behalf of Fedec, Larry
Sent on: Tuesday, December 8, 2020 7:56:51 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: FW: Twin Creeks Landfill (2020) _MHSTCIcomments
Attachments: TwinCreeksLandfill_MHSTCIcomments.pdf (142.46 KB)

Follow up: Follow up
Start date: Tuesday, December 8, 2020 12:00:00 AM
Due date: Tuesday, December 8, 2020 12:00:00 AM

Larry Fedec, P.Eng., MBA
D 289.695.4696 M 416.571.2130

hdrinc.com/follow-us

From: Kirzati, Katherine (MHSTCI) <Katherine.Kirzati@ontario.ca>
Sent: Tuesday, December 8, 2020 2:22 PM
To: Jenken, Wayne <wjjenken@wm.com>; Fedec, Larry <Larry.Fedec@hdrinc.com>
Subject: Twin Creeks Landfill (2020) _MHSTCIcomments

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon Wayne:

Attached please find our ministry's comments on the Notice of Commencement for the above-noted project.

Regards, Katherine

Katherine Kirzati
Heritage Planner

Ministry of Heritage, Sport, Tourism and Culture Industries
Heritage Planning Unit Programs and Services Branch
401 Bay St, Suite 1700 Toronto, ON M7A 2R9
416.728.3494 katherine.kirzati@ontario.ca

From: Sarah Hodgkiss <shodgkiss@scrca.on.ca>
Sent on: Tuesday, December 8, 2020 6:57:03 PM
To: Jenken, Wayne <wjken@wm.com>; Fedec, Larry <Larry.Fedec@hdrinc.com>
CC: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: RE: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project

Follow up: Follow up

Start date: Tuesday, December 8, 2020 12:00:00 AM

Due date: Tuesday, December 8, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

EA#2020-017

Good afternoon,

SCRCA received the notice regarding the Twin Creeks Environmental Centre Landfill Optimization Project. We have reviewed the Virtual Consultation & Engagement Event 1 materials on your website. We have no formal comments at this time, but we appreciate being kept informed as the project moves forward. I added my email address to the mailing list through the website. Please keep planning@scrca.on.ca included on your circulation list as well.

Thank you,

Sarah Hodgkiss

Planning Ecologist
St. Clair Region Conservation Authority
shodgkiss@scrca.on.ca

519-245-3710 ext. 234
205 Mill Pond Crescent, Strathroy
www.scrca.on.ca

From: Planning General Inbox
Sent: November 19, 2020 1:56 PM
To: Sarah Hodgkiss <shodgkiss@scrca.on.ca>
Subject: FW: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project

From: Beri, Kelly <Kelly.Beri@hdrinc.com>
Sent: November 17, 2020 1:46 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: Notice of Commencement and Virtual Consultation & Engagement Event 1 - EA Terms of Reference - Twin Creeks Environmental Centre Landfill Optimization Project

Good afternoon,

On behalf of Waste Management of Canada Corporation (WM), please find attached a Notice of Commencement for the Environmental Assessment Terms of Reference for WM's Twin Creeks Environmental Centre Landfill Optimization Project.

The Notice of Commencement contains a link to the project website and an invitation to Virtual Consultation & Engagement Event 1, which will run between November 17 and December 4, 2020.

Regards,

Kelly Beri, B.A.Sc.
Environmental Planner

HDR
100 York Boulevard, Suite 300
Richmond Hill, ON L4B 1J8
D 416.895.5428
kelly.beri@hdrinc.com

hdrinc.com/follow-us

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

From: Jenken, Wayne <WJenken@wm.com>
Sent on: Thursday, December 17, 2020 2:26:31 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
CC: Fedec, Larry <Larry.Fedec@hdrinc.com>; Jenken, Wayne <wjenken@wm.com>
Subject: RE: WM TCEC Landfill Optimization - VCEE1 Summary Report (for review)

Follow up: Follow up
Start date: Thursday, December 17, 2020 12:00:00 AM
Due date: Thursday, December 17, 2020 12:00:00 AM

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Kelly,

This morning I had a call with Glen Millar from the County of Lambton. The call was from 8:45am to 9:15am and the attendees were Glen and myself.

I made the call after noticing the comment submitted from Glen during engagement event 1. We discussed the following:

- Request for meeting between County and Lambton (Glen, Jason & Matt) early next year – I agreed and said I will send potential dates early in 2021.
- Discussion regarding advertised end of life date (2032) versus County agreement guaranteeing disposal volume until 2035. I clarified that 2032 results from full 1.4M MT accepted continuously to end of current volume and that space will be reserved for County waste.
- Discussed traffic studies required to support optimization. Clarified no change to permitted annual tonnage and no change in vehicle traffic expected. Glen agreed but noted that current traffic and traffic projections will need to be used.
- Discussed the potential to extend County agreement contingent on optimization approval. Both WM and County would like to extend agreement and we can work toward this.
- Brief discussion regarding County waste scaled at the site and use of truck tare weights. Luiza and Glen discussed some discrepancies in tare weights used last week and Luiza agreed to follow up. I offered to follow up with Luiza.

Regards.

WAYNE JENKEN

Area Landfill Engineer
Eastern Canada Area
wjenken@wm.com

T: 519.849.5810
C: 519.381.3017
5768 Nauvoo Road
Watford, ON. N0M 2S0



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From: Fedec, Larry <Larry.Fedec@hdrinc.com> on behalf of Fedec, Larry
Sent on: Wednesday, January 6, 2021 5:55:33 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: FW: WM Twin Creeks Optimization Project - Meeting Follow up

Follow up: Follow up

Start date: Wednesday, January 6, 2021 12:00:00 AM

Due date: Wednesday, January 6, 2021 12:00:00 AM

FYI

Larry Fedec, P.Eng., MBA
 D 289.695.4696 M 416.571.2130

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From: Fedec, Larry
Sent: Wednesday, January 6, 2021 12:55 PM
To: Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>; Desautels, Solange (MECP) <Solange.Desautels@ontario.ca>; peter.brown@ontario.ca
Cc: Wayne Jenken <WJenken@wm.com>
Subject: RE: WM Twin Creeks Optimization Project - Meeting Follow up

Happy New Year Andrew, Solange and Peter.

I just wanted to provide you with an update on the WM Twin Creeks Optimization Project.

The Project was formally announced on November 17th, 2020. The Notice of Commencement was published in three local newspapers, and sent via email to agencies, municipalities, organizations, Indigenous communities, and neighbouring property owners (was also sent via regular mail to neighbouring property owners without available email addresses). Meetings were also held with the Township of Warwick, County of Lambton, Walpole Island First Nation (WIFN) and the landfill PLC. The Virtual Consultation and Engagement Event was held via the project website over 18 days from Tuesday, November 17 to Friday, December 4, 2020.

We are now preparing for some additional more focused consultation and engagement with the Township and WIFN.

Do you expect to have a Project Officer assigned to this file soon? We want to make sure that we are working in conjunction with the MECP as we move through the ToR process.

Please let Wayne or myself know if you require any additional information.

Regards ... Larry
Larry Fedec, P.Eng., MBA
 D 289.695.4696 M 416.571.2130

hdrinc.com/follow-us

From: Fedec, Larry
Sent: Tuesday, October 27, 2020 2:23 PM
To: Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>; Desautels, Solange (MECP) <Solange.Desautels@ontario.ca>; 'peter.brown@ontario.ca' <peter.brown@ontario.ca>
Cc: Wayne Jenken <WJenken@wm.com>
Subject: WM Twin Creeks Optimization Project - Meeting Follow up

Andrew, Solange and Peter

On behalf of WM, I would like to thank you again for taking the time to meet with Wayne and myself regarding WM's proposed Twin Creeks Optimization Project.

As requested, please find attached a preliminary project description and site map. My understanding is that Peter will use this to identify the list of Indigenous communities to be consulted during the EA process.

A question was asked if the Metis Nation of Ontario provided any comments during the Environmental Screening undertaken in 2016/2017. I have reviewed our records and can confirm that they did not respond. As discussed, comments were received from Walpole Island First Nation consistent with WM's ongoing engagement with the community. Correspondence was also received from the Chippewas of the Thames First Nation and a copy is attached for your information.

We look forward to a Project Officer being assigned to this file shortly. In the interim, we are preparing for posting and distributing the Notice of Commencement of the ToR. Can I ask that you provide us with the most current copy of the GRT list so that we can update/prepare our contact list for the project?

Thanks again and we look forward to working with the Ministry. Please let us know if you require any additional information.

Regards ... Larry
Larry Fedec, P.Eng., MBA
 Solid Waste Program Leader, Canada
 Associate

HDR
 100 York Boulevard, Sui

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From: Fedec, Larry <Larry.Fedec@hdrinc.com> on behalf of Fedec, Larry
Sent on: Wednesday, January 6, 2021 5:55:33 PM
To: Beri, Kelly <Kelly.Beri@hdrinc.com>
Subject: FW: WM Twin Creeks Optimization Project - Meeting Follow up

Follow up: Follow up

Start date: Wednesday, January 6, 2021 12:00:00 AM

Due date: Wednesday, January 6, 2021 12:00:00 AM

FYI

Larry Fedec, P.Eng., MBA
 D 289.695.4696 M 416.571.2130

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From: Fedec, Larry
Sent: Wednesday, January 6, 2021 12:55 PM
To: Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>; Desautels, Solange (MECP) <Solange.Desautels@ontario.ca>; peter.brown@ontario.ca
Cc: Wayne Jenken <WJenken@wm.com>
Subject: RE: WM Twin Creeks Optimization Project - Meeting Follow up

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We are now preparing for some additional more focused consultation and engagement with the Township and WIFN.

Do you expect to have a Project Officer assigned to this file soon? We want to make sure that we are working in conjunction with the MECP as we move through the ToR process.

Please let Wayne or myself know if you require any additional information.

Regards ... Larry
Larry Fedec, P.Eng., MBA
 D 289.695.4696 M 416.571.2130

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From: Fedec, Larry
Sent: Tuesday, October 27, 2020 2:23 PM
To: Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>; Desautels, Solange (MECP) <Solange.Desautels@ontario.ca>; 'peter.brown@ontario.ca' <peter.brown@ontario.ca>
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Thanks again and we look forward to working with the Ministry. Please let us know if you require any additional information.

Regards ... Larry
Larry Fedec, P.Eng., MBA
 Solid Waste Program Leader, Canada
 Associate

HDR
 100 York Boulevard, Suite 300

From: [Jenken, Wayne](#)
To: ["Amanda Gubbels"](#)
Cc: [Jenken, Wayne](#)
Subject: Question regarding engagement event
Date: Sunday, November 29, 2020 10:04:53 PM
Attachments: [image001.png](#)

Amanda,

During our call on November 25, 2020 you asked a question regarding Virtual Consultation and Engagement Event 1. You asked about the collection of name and email details for commenters to the Engagement Event. I wanted to get back to you with a response.

It is not a requirement of the EA process to collect personal information however it is best practice. The collection of attendee information is common at open house events and as the Landfill Optimization Engagement Event is substituting for an open house we want to ensure we record this information. The personal information will also be useful to understand the commenters background as it relates to the proposed project (ie if they are a Township resident) and lastly their contact information will allow us to follow up with a response or clarification if required. For these reasons we believe that collecting name and email information as well as any other information a commenter may provide will be beneficial to the project. It should also be noted that the Ministry of Environment, Conservation and Parks also requests the public to provide personal information when submitting comments to the Ministry.

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I hope this response addresses your question. If you need anything else please let me know.

Regards.

WAYNE JENKEN

Area Landfill Engineer
Eastern Canada Area
wjenken@wm.com

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5768 Nauvoo Road
Watford, ON. N0M 2S0



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From: Desautels, Solange (MECP) <Solange.Desautels@ontario.ca>
Sent: Wednesday, January 6, 2021 1:18 PM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>
Cc: Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>
Subject: RE: WM Twin Creeks Optimization Project - Meeting Follow up

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Larry it is good to have an update on the project. I am wondering if you know when a draft ToR will be available for the ministry to review and the overall timing of the ToR submission etc. Need to look at our work load prior to assignment of this project. In the meantime you can approach me with any EA questions that you may have related to the project.

Solange Desautels | Supervisor Central and East Unit | Environmental Assessment Services Section | Environmental Assessment Branch | Ministry of the Environment, Conservation and Parks | 135 St Clair Ave W |1st Floor |Toronto ON M4V 1P5| T: 416-992-5867 | Solange.desautels@ontario.ca

From: Fedec, Larry <Larry.Fedec@hdrinc.com>
Sent: January 6, 2021 12:55 PM
To: Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>; Desautels, Solange (MECP) <Solange.Desautels@ontario.ca>; Brown, Peter (MECP) <Peter.Brown@ontario.ca>
Cc: Jenken, Wayne <wjjenken@wm.com>
Subject: RE: WM Twin Creeks Optimization Project - Meeting Follow up

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Larry Fedec, P.Eng., MBA
D 289.695.4696 M 416.571.2130

hdrinc.com/follow-us

From: Fedec, Larry
Sent: Tuesday, October 27, 2020 2:23 PM
To: Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>; Desautels, Solange (MECP) <Solange.Desautels@ontario.ca>; 'peter.brown@ontario.ca' <peter.brown@ontario.ca>
Cc: Wayne Jenken <WJenken@wm.com>
Subject: WM Twin Creeks Optimization Project - Meeting Follow up

Andrew, Solange and Peter

On behalf of WM, I would like to thank you again for taking the time to meet with Wayne and myself regarding WM's proposed Twin Creeks Optimization Project.

As requested, please find attached a preliminary project description and site map. My understanding is that Peter will use this to identify the list of Indigenous communities to be consulted during the EA process.

From: Fedec, Larry
Sent: Tuesday, May 18, 2021 8:19 AM
To: Desautels, Solange (MECP)
Cc: Evers, Andrew (MECP); Jenken, Wayne
Subject: RE: WM Twin Creeks Optimization Project - Meeting Follow up

Hi Solange

I wanted to provide you with a further update on the WM Twin Creeks Optimization Project.

Work has been continuing on the preparation of a draft ToR for the project including the development of technical work plans for the various disciplines. WM has continued to consult and engage with the Township of Warwick, the landfill PLC, County of Lambton and Walpole Island First Nation. It is our understanding that both the Township and WIFN now have their teams in place to receive and review the draft ToR.

As discussed previously, we are still targeting circulation of the draft ToR for review around June 1st. We would appreciate if you could now assign a Project Officer to the file so that we can coordinate distribution of the draft ToR to the Ministry.

Thank you in advance. Please let me know if you need any additional information.

Regards Larry

Larry Fedec, P.Eng., MBA
D 289.695.4696 M 416.571.2130

hdrinc.com/follow-us

From: Fedec, Larry
Sent: Thursday, January 7, 2021 4:08 PM
To: Desautels, Solange (MECP) <Solange.Desautels@ontario.ca>
Cc: Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>
Subject: RE: WM Twin Creeks Optimization Project - Meeting Follow up

Thanks Solange.

At this point we are targeting circulating a draft ToR around June 1st of this year with the proposed ToR being submitted for approval in September. This will be confirmed/refined subject to our consultation and engagement activities.

In the interim, I will keep you updated on WM's plans, engagement with the Township and WIFN, etc. as we continue to move forward.

Regards ... Larry

Larry Fedec, P.Eng., MBA
D 289.695.4696 M 416.571.2130

hdrinc.com/follow-us

From: Desautels, Solange (MECP) <Solange.Desautels@ontario.ca>
Sent: Wednesday, January 6, 2021 1:18 PM
To: Fedec, Larry <Larry.Fedec@hdrinc.com>
Cc: Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>
Subject: RE: WM Twin Creeks Optimization Project - Meeting Follow up

From: Fedec, Larry
Sent: Tuesday, May 18, 2021 8:19 AM
To: Desautels, Solange (MECP)
Cc: Evers, Andrew (MECP); Jenken, Wayne
Subject: RE: WM Twin Creeks Optimization Project - Meeting Follow up

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hdrinc.com/follow-us

From: Fedec, Larry
Sent: Thursday, January 7, 2021 4:08 PM
To: Desautels, Solange (MECP) <Solange.Desautels@ontario.ca>
Cc: Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>
Subject: RE: WM Twin Creeks Optimization Project - Meeting Follow up

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Regards ... Larry

Larry Fedec, P.Eng., MBA
D 289.695.4696 M 416.571.2130

hdrinc.com/follow-us

From: Desautels, Solange (MECP) <Solange.Desautels@ontario.ca>

Sent: Tuesday, May 18, 2021 2:13 PM

To: Fedec, Larry <Larry.Fedec@hdrinc.com>

Cc: Evers, Andrew (MECP) <Andrew.Evers@ontario.ca>; Jenken, Wayne <wjenken@wm.com>; Batista, Cindy (MECP) <Cindy.Batista@ontario.ca>

Subject: RE: WM Twin Creeks Optimization Project - Meeting Follow up

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi good to hear from you. I am assigning this to Cindy Batista. She will be in contact with you on this file.

Solange Desautels | Supervisor Central and East Unit | Environmental Assessment Services Section | Environmental Assessment Branch | Ministry of the Environment, Conservation and Parks | 135 St Clair Ave W | 1st Floor | Toronto ON M4V 1P5 | T: 416-992-5867 | Solange.desautels@ontario.ca

From: [McDonald, John](#)
To: [Amanda Gubbels](#)
Cc: [Jenken, Wayne](#); [Kropf, Jessica](#)
Subject: FW: 2021-02-24 WM Twin Creeks Optimization - Township of Warwick Presentation.pptx
Date: Thursday, February 25, 2021 11:54:20 AM
Attachments: [2021-02-24 WM Twin Creeks Optimization - Township of Warwick Presentation.pdf](#)
[2021-02-24 WM Twin Creeks Optimization - Township of Warwick Presentation.pptx](#)

Amanda, as discussed, please find attached our presentation for our delegation to council on March 1st. I have included both the PPT and PDF.

Let me know if you have any question.

John McDonald

Sr District Manager – Disposal

Waste Management

Twin Creeks Environmental Center

jmcdon10@wm.com

Tel 5482290037

Cell 226-932-2373



From: Amanda Gubbels <agubbels@warwicktownship.ca>
Sent: Thursday, March 18, 2021 2:21 PM
To: McDonald, John <jmcdon10@wm.com>
Subject: [EXTERNAL] Follow up Question from Council Delegation

Hi John,

In follow up to WM's delegation to Council on March 1st, your or Wayne confirmed that WM had completed a vertical expansion at another landfill location I believe. I was wondering if you would be able to advise me of the location(s) where this type of expansion has been completed?

Thanks,

Amanda Gubbels, CAO/Clerk

Township of Warwick

P: 519-849-3926

F: 519-849-6136

E: agubbels@warwicktownship.ca

From: McDonald, John <jmcdon10@wm.com>
Sent: Thursday, March 18, 2021 2:50 PM
To: Amanda Gubbels <agubbels@warwicktownship.ca>
Cc: Jenken, Wayne <WJenken@wm.com>
Subject: RE: Follow up Question from Council Delegation

I'll defer to Wayne, I may have talked about the vertical expansion at my last employer. I may have rambled a bit. It was my first Youtube moment.

John McDonald
Sr District Manager – Disposal
Waste Management
Twin Creeks Environmental Center

jmcdon10@wm.com
Tel 5482290037
Cell 226-932-2373



From: Jenken, Wayne [<mailto:WJenken@wm.com>]
Sent: Thursday, March 18, 2021 4:57 PM
To: McDonald, John; Amanda Gubbels
Cc: Jenken, Wayne
Subject: [EXTERNAL] RE: Follow up Question from Council Delegation

Caution: This email originated from outside of the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon Amanda,

I recall the question but I don't remember it being specific to WM landfills. I'm aware that Clean Harbors has approved a vertical expansion and that City of London has selected a vertical expansion as their preferred landfill expansion alternative. I'm convinced that WM has permitted and operated vertical expansions. I will follow up with our corporate engineering team and see what information I can get regarding specific locations.

Regards.

WAYNE JENKEN
Landfill Engineering Manager
Eastern Canada Area
wjenken@wm.com

T: 519-849-5810
C: 519-381-3017

To: Jenken, Wayne <WJenken@wm.com>; McDonald, John <jmcdon10@wm.com>

Subject: RE: [EXTERNAL] RE: Follow up Question from Council Delegation

Hi Wayne and John,

Excellent. Thank you very much.

I recall the question was specific to WM landfills, but that is only my memory. I did not take the time to go through and re-watch the livestream so I could definitely be mistaken. Info on similar WM specific expansions would be great if its available.

Thanks,

Amanda Gubbels, CAO/Clerk

Township of Warwick

P: 519-849-3926

F: 519-849-6136

E: agubbels@warwicktownship.ca

From: Jenken, Wayne
Sent: Thursday, April 1, 2021 12:27 PM
To: 'Amanda Gubbels'
Cc: McDonald, John; Jenken, Wayne; Fedec, Larry
Subject: Follow up Question from Council Delegation

Amanda,

Following up on our discussion about WM specific experience with vertical LF expansions. I received information back from my WM corporate contacts and learned that WM has received approval for 14 vertical landfill expansions since 2010. I reviewed the list of expanded sites and evaluated each of them for similarities to Twin Creeks. Based on factors including waste type, vertical height increase, landfill footprint size and actively landfilling I selected 3 sites to highlight. Information on selected landfill vertical expansions is presented in the table below.

Waste Management - Selected Landfill Vertical Expansions - Permits Received Since 2010

No.	Landfill Name	Market Area	State	Permit Date	LF Area (ha)	Landfill Elevation Change (m)	Expansion Volume (m3)	Total Permitted Airspace (m3)
1	Naples Landfill	WM of Florida	FL	2012-01-10	74.5	28	7,165,719	21,300,061
2	Stony Hollow Landfill	WM of Michigan Ohio Indiana	OH	2014-02-04	28.2	27	4,487,768	14,263,657
3	King George Landfill	WM of WPA MD WV VA	VA	2017-12-21	117.8	30	16,981,832	51,311,513

Based on interest from councilors during our delegation and during our one-on-one discussions it might make sense for us to prepare a brief presentation of this information for an upcoming delegation.

Let us know your thoughts.

Regards.

WAYNE JENKEN
Landfill Engineering Manager
Eastern Canada Area
wjenken@wm.com

T: 519-849-5810
C: 519-381-3017
5768 Nauvoo Road
Watford, ON. N0M 2S0



A large, bold, black letter 'H' is centered on the page. It is positioned to the right of a vertical bar that is dark green on top and light grey on the bottom. To the right of the 'H' is a large grey rectangular area at the top of the page and a dark grey rectangular area at the bottom of the page.

Media Publications

[News](#) / [Local News](#)

Watford-area landfill owner wants to extend site's life

A plan to seek provincial approval to add a dozen years to the life of the Twin Creeks landfill site near Watford is not welcome news in Warwick Township, says Mayor Jackie Rombouts.

Paul Morden

Nov 20, 2020 • November 26, 2020 • 3 minute read • [Join the conversation](#)

In this file photo, a truck passes by Waste Management's Twin Creeks Landfill near Watford. PHOTO BY FILE PHOTO //Postmedia Network

A plan to seek provincial approval to add a dozen years to the life of the Twin Creeks landfill site near Watford is not welcome news in Warwick Township, says Mayor Jackie Rombouts.

“Obviously, it’s not something that our community wants,” she said. “We were looking forward to the end of this.”

The landfill is currently expected to be full in 2032 but its owner, Waste Management Canada, has started work on an environmental assessment process aimed at securing provincial approval to modify side slopes and increase its elevation so Twin Creeks can carrying on accepting waste until 2044.

The site opened in 1972. Waste Management, which has owned the dump since 1996, received approval for an expansion in 2008. It's allowed to accept municipal, industrial, commercial and institutional solid non-hazardous waste, along with non-hazardous contaminated soil from anywhere in Ontario.

In total, the site takes up 301 hectares, but only 101.8 hectares is approved for landfilling waste.

That dump's "footprint," as well as the area it can accept waste from and the amount of waste it's able to landfill annually, won't change with the new approval being sought, the company said.

What will change is the final height of the landfill once it reaches the end of its active life.

Wayne Jenken, area landfill manager for Waste Management, said the environment assessment process is expected to take about five years and cost more than \$35 million.

What Waste Management is calling an "optimization project" could result in a maximum increase in the final height of the landfill of 40 metres, he said.

"We want to be able to service our customers beyond our approved planning horizon, which is 12 years currently," Jenken said.

The company is beginning work on the environmental assessment now because "we want to have the time to do the approval correctly without having a time crunch," Jenken said.

That would also allow Waste Management "to build the right infrastructure at the right time to service this future landfill capacity," he said.

Rombouts said the municipality has several concerns, including an additional 12 years of truck traffic in and out of the site.

"We're constantly fielding complaints from the community about the odour," she added. "There's litter, there's noise" and other issues that go on longer if the life of the landfill is extended, Rombouts said.

"It's going to be that much higher, that much harder to hide," she said. "It changes the landscape of our municipality. There's huge impacts to our community."

Rombouts said the company's move is something township officials expected once the province said it would give municipalities the option to reject new landfill sites.

"We're fairly certain they're not going to extend that to us since this is an already existing project," she said.

Rombouts said the township will be consulting with experts and talking with the provincial government during the environment assessment process.

"We're going to do everything we can to make sure that our community gets what's best for it," she said.

The township receives landfill royalties, based on the amount of waste entering the site, that totalled about \$4.4 million in 2019.

"We have a good setting, good relations and this is a landfill facility we want to continue operating into the future," Jenken said.

Landfill operations at Twin Creeks employ 25 workers and there are seven office employees at the site. Construction this year employed another 45 workers, Jenken said.





Comment Response Tables

Comments Received after the publication of the Notice of Commencement and the Virtual Consultation and Engagement Event #1

Public Comment Response Table

WM TCEC Landfill Optimization - Completed Public Comment Forms

Comment Form #	1					2								3		4		5			
Name																					
Address																					
Phone																					
Email																					
My interest in the project is: (please check all that apply)	air quality (dust, noise, odour)	ecology	agency representative	groundwater, surface water	land use / visual	residential property	air quality (dust, noise, odour)	business	ecology	member of interest group	groundwater, surface water	land use / visual	transportation	agency representative	transportation	air quality (dust, noise, odour)	other	air quality (dust, noise, odour)	groundwater, surface water	land use / visual	transportation
If other:																how much money is Watford receiving every year average					
Please provide any general comments about the information presented in this Virtual Consultation & Engagement Event.						In our small 1st village block - south of landfill - McGregor st to Victoria st to Nauvoo rd we have health issues. There are three people that have died of cancer. There are at least three people with COPD and one person with a fatal respiratory illness. Environmental impact studies need to be done on our health in Watford in order for the expansion to proceed.								The County of Lambton wishes to meet with WMCC representatives to discuss the current application to expand and any potential impacts to the agreement between parties.				No comments			
Do you have any comments, concerns or recommendations regarding the current operations at the Twin Creeks Environmental Centre? If yes, describe below						Yes								Yes		Yes		No			
After reviewing the information presented at this Virtual Consultation & Engagement Event, do you have any comments, concerns, or recommendations regarding the Rationale for the proposed project? If yes, describe below						Most nights in the summer when one would enjoy sleeping with bedroom window open by three o'clock in the morning the windows needed to be shut due to odor. The road that is the entrance to our town is constantly a mess. Many people feel their complaints go unheard, unresolved as odour, roadside issues just continue.								The Notice of Commencement suggests the landfill under its current approvals, fill rate, etc. is expected to be full by 2032 whereas the current agreement between the County of Lambton and WMCC secures landfill capacity at the Twin Creeks facility until December 31, 2035.		smell					
Do you have any comments, questions, or suggestions regarding future consultation and engagement events that will be held for the Terms of Reference and Environmental Assessment (e.g., format)? If yes, describe below						Yes								No		No		No			
Do you have any comments, questions, or suggestions regarding future consultation and engagement events that will be held for the Terms of Reference and Environmental Assessment (e.g., format)? If yes, describe below						Rationale? Where is human compassion for the people of Watford that constantly tell of issues and are saying no to further expansion. Your staff do not live here so I believe there is no empathy or understanding on CWMS part. You paint a good picture but need a reality check.															
Do you have any specific comments, concerns or recommendations regarding the Alternatives as presented? If yes, describe below						Yes								No		No		No			
Do you have any specific comments, concerns or recommendations regarding the Evaluation Criteria to be used in the assessment of the Alternatives as presented? If yes, describe below						Do nothing and fix the problems listed by the Technical Review team. Close on the agreed time-line, monitoring closely for years for any issues. Start a new landfill somewhere else not so close to a town, have some consideration.															
Do you have any comments, questions, or suggestions regarding future consultation and engagement events that will be held for the Terms of Reference and Environmental Assessment (e.g., format)? If yes, describe below						Yes								No		No		No			
Do you have any comments, questions, or suggestions regarding future consultation and engagement events that will be held for the Terms of Reference and Environmental Assessment (e.g., format)? If yes, describe below						I don't see a health study.															
Do you have any comments, questions, or suggestions regarding future consultation and engagement events that will be held for the Terms of Reference and Environmental Assessment (e.g., format)? If yes, describe below						Yes								No		No		No			
Do you have any comments, questions, or suggestions regarding future consultation and engagement events that will be held for the Terms of Reference and Environmental Assessment (e.g., format)? If yes, describe below						You should wait for in person townhall meetings when covid is under control. There are many people who are not tech savvy but would like to have a say.															
Are there any other issues that you feel WM should consider in the development of the Terms of Reference? If yes, describe below						No								Yes		Yes		No			
Are there any other issues that you feel WM should consider in the development of the Terms of Reference? If yes, describe below														Traffic impact assessment along haul routes, access points, etc.		recycling centre					

Comments Received after the publication of the Notice of Commencement and the Virtual Consultation and Engagement Event #1

Indigenous Community Comment Response Table

Comment	Response
<p>Chippewas of the Thames First Nation – December 3, 2020</p> <p>Good afternoon Mr. Jenken,</p> <p>Please find attached a response in regards to the aforementioned project. I have reviewed the information presented to us at this time, however due to the project being in the early stages of the Environmental Assessment, we are unable to identify any impacts that may be associated with your project.</p> <p>I look forward to continuing this open line of communication and we are happy to participate in future project events. Due to the COVID-19 pandemic we are only meeting virtually. Please feel free to contact myself via email at this time as I continue to work from home.</p> <p>Thank you,</p> <p>Fallon</p>	<p>Hi Ms. Burch,</p> <p>Thank you for your letter outlining the interests of COTTFFN in the project. We will continue to notify COTTFFN as the project progresses and provide details regarding any Archaeological Assessment related work that may be undertaken as part of the project.</p> <p>Regarding your invoice, HDR will be paying this on behalf of WM. Can you confirm if payment is by cheque only or can COTTFFN also receive payment by Visa?</p> <p>Thank you in advance and we look forward to being in contact with you further.</p> <p>Best regards ... Larry</p>
<p>VIA EMAIL Wayne Jenken Area Landfill Manger, Eastern Canada Area Waste Management of Canada Corporation 5768 Nauvoo Road Watford, ON N0M 2S0</p> <p>RE: Twin Creeks Environmental Centre Landfill Optimization Project Virtual Consultation & Engagement Event 1</p> <p>Dear: Mr. Jenken,</p> <p>We have reviewed information concerning the aforementioned project. The proposed project is located within the Big Bear Creek Additions to Reserve (ATR) land selection area, as well as Chippewas of the Thames First Nation Traditional Territory.</p> <p>After reviewing the project information presented to us at this time, we have minimal concerns with the overall project. However, as this project progresses and studies are completed, or to notify us of any upcoming events please forward an electronic copy to consultation@cottfn.com. If there is an Archaeology Assessment conducted, we require notification and the opportunity to actively participate by sending First Nation Field Liaison on behalf of this First Nation.</p> <p>We look forward to continuing this open line of communication. To implement meaningful consultation, COTTFFN has developed its own protocol - a document and a process that will guide positive working relationships. We would be happy</p>	

<p>to meet with you to review COTTFN's Consultation Protocol. The protocol is available at www.cottfn.com/consultation. As per 'Appendix D' of Winndmaagewin attached is invoice 0069. Please do not hesitate to contact me if you need further clarification of this letter.</p>	
Chippewas of the Thames First Nation – December 8, 2020	
<p>Good afternoon Larry,</p> <p>Thank you for your response and acknowledging our interest in your project. A cheque for the invoice is the preferred payment option at this time.</p> <p>If you have any questions, please feel free to contact myself via email at this time as I continue to work from home.</p> <p>Take care,</p> <p>Fallon</p>	

Public Comment Response Table

Comment	Response
<p>Member of the Public – November 17, 2020</p> <p>Hi Wayne,</p> <p>Let me know if you need anything from me to help you guys with moving this project ahead.</p>	<p>Thank you for the comment. WM encourages you to continue to participate in the Environmental Assessment process and provide comments.</p>
<p>Petrolia Lambton Independent – November 17, 2020</p> <p>What is the height of the proposed expansion?</p>	<p>Part of the EA involves looking at alternative methods and this will include alternative slopes and maximum heights. The maximum height being considered is 320 masl but may be less.</p>
<p>Why is the expansion being proposed now?</p>	<p>We are commencing the landfill optimization now for two reasons 1) to continue to service our existing customers beyond the 12 year remaining life of the current approval and 2) to construct the infrastructure and final cap of the landfill correctly and not require rework in the future.</p>
<p>What is the site annual tonnage and where does waste come from?</p>	<p>The annual permitted tonnage is 1.4M MT / yr and most waste received at Twin Creeks is generated in SW and Central Ontario.</p>
<p>Does waste from Toronto come to Twin Creeks?</p>	<p>Most waste from Toronto is directed to the Green Lane landfill however some metropolitan areas of Toronto dispose of waste at Twin Creeks.</p>
<p>Will the expansion allow WM to attract more customers?</p>	<p>WM is looking to service our existing customer base however those customers do change over time.</p>
<p>What is the expected duration of the expansion project?</p>	<p>We expect the project to take approximately 5 years to complete the assessments, public engagement and complete the EA</p>
<p>Is the project website and engagement available now?</p>	<p>Yes the project website and consultation and engagement event are available to review now.</p>
<p>Sarnia Observer – November 19, 2020</p> <p>Hi Mr. Jenkin, I'm a reporter at The Observer in Sarnia and I was hoping to speak with you about the Twin Creeks optimization project.</p> <p>Any chance you are available to speak by phone?</p> <p>I'm working these days at [REDACTED]</p> <p>Hope to hear from you.</p>	
<p>Sarnia Observer – November 23, 2020</p> <p>Why are you requesting approval?</p>	<p>to service our customers beyond the 12 years remaining life and to make the best use of current infrastructure</p>

What will height be if approved?	four alternative optimizations are being considered, the highest could increase height from 280 to 320 masl
What is the service area for the landfill?	licensed to receive waste from the province however most waste received from SW and Central Ontario
How many employees?	25 employees at the site plus sales, accounting and support offsite, plus construction staff – 45 full time equivalents in 2020
Anything else to add?	no change to service area, annual tonnage or landfill footprint
Member of the Public – November 24, 2020	
<p>Good afternoon,</p> <p>When the terms of the landfill expansion were initially negotiated, the landfill was to wrap up around 2032.</p> <p>Now, it appears, Waste Management is unilaterally changing the terms of this agreement and keeping the landfill in operation until 2044. I don't imagine many residents of the Watford area will be pleased with this change.</p> <p>Aside from our usual protests to our MPPs, is there anything we can do to stop this change from happening? If you have any advice or suggestions, I would really appreciate hearing back from you. Thank you for your time.</p>	<p>Thank you for your comments. WM is not unilaterally changing the current approval and has initiated an Environmental Assessment process as required by the Ministry of Environment, Conservation and Parks (MECP), This process includes consultation and engagement with the local community, to assess the potential effects of the project and identify measures to minimize any potential effects.</p> <p>WM encourages all interested members of the community to participate in the consultation and engagement opportunities throughout the project and continue to provide feedback and comments.</p>
Member of the Public – November 25, 2020	
<p>As a resident in Watford, I would like to see this increase stopped in it's tracks. The landfill is already an eye sore to our little town, the smell that comes from it is terrible, there is no need to see this go on for another 12 years!! Sincerely a concerned and frustrated resident</p>	<p>WM appreciates receiving your comments. WM has initiated an Environmental Assessment (EA) process, including consultation and engagement with the local community, to assess the potential effects of the project and obtain the necessary approvals. The EA will include an assessment of potential visual and odour effects resulting from the project and identify mitigation measures to minimize those effects, to the extent possible.</p>

Agency Comment Response Table

Comment	Response
<p>Jason Cole, County of Lambton – November 17, 2020</p> <p>Wayne,</p> <p>For the distribution you already have listed: Matt Deline, Manager, Public Works Ken Melanson, Manager, Planning & Development Services Jason Cole, General Manager, Infrastructure & Development Services</p> <p>Suggested additional: Ron Van Horne, CAO - he should be aware Stéphane Thiffault, General Manager, Corporate Services, Legal Services & Clerks Department - as the Clerk, he is the official contact</p> <p>Adding them will reduce internal distribution. Thanks.</p>	<p>The project distribution list was updated to include the list of contacts provided by the County.</p>
<p>Jason Buhrow, Ministry of the Environment, Conservation and Parks – November 18, 2020</p> <p>Hi all,</p> <p>This email is to inform you that, as of this week, Nicole Does will now be the Environmental Officer assigned to Twin Creeks.</p> <p>Please send all future communication & reports to her.</p> <p>I will be attending the upcoming WPLC meeting to go over the previous inspections and introduce her to the group.</p>	<p>The project distribution list was updated to include the noted contact.</p>
<p>Anjala Puvananathan, Impact Assessment Agency of Canada, Ontario Region – November 30, 2020</p> <p>Dear Kelly Beri:</p> <p>Subject: Non-applicability of the <i>Impact Assessment Act</i> to the proposed Twin Creeks Environmental Centre Landfill Optimization Project</p> <p>Thank you for your correspondence, dated November 11, 2020, regarding the proposed Twin Creek Environmental Centre Landfill Optimization Project. The <i>Impact Assessment Act</i> (IAA) outlines a process for assessing the impacts of certain major projects, including the assessment of positive and negative environmental, economic, health and social effects that are within the legislative authority of the Parliament of Canada. The <i>Physical Activities Regulations</i> (also known as the Project List) describe those projects that have the greatest potential to cause adverse effects in those areas and are subject to the requirements</p>	<p>Comment acknowledged. The Twin Creeks Optimization Project is not included on the IAA Project List. The Agency has been removed from the project distribution list.</p>

<p>of IAA. Proponents of those projects are required to submit an Initial Project Description to the Impact Assessment Agency of Canada (the Agency). Based on the information available to the Agency, your project does not appear to be described on the Project List. Kindly review the requirements of IAA, including the Project List.</p> <p>If you believe that your project is not subject to IAA, and do not intend to submit an Initial Project Description, we kindly request that you remove the Agency from your distribution list.</p> <p>If you have any questions, please feel free to contact us at iaac.ontarioregion-regionontario.aeic@canada.ca.</p> <p>The attachment that follows provides web links to useful legislation, regulation, and guidance documents.</p>	
<p>Karina Černiavskaja, District Planner, Ministry of Natural Resources and Forestry – December 3, 2020</p>	
<p>The Ministry of Natural Resources and Forestry (MNR) Aylmer District received the notice for the proposed Twin Creeks Environmental Centre Landfill Optimization project. Thank you for circulating this information to our office, however, please note that we have not completed a screening of natural heritage or other resource values for the project at this time. Please also note that it is your responsibility to be aware of and comply with all relevant federal or provincial legislation, municipal by-laws or other agency approvals.</p> <p>This response provides information to guide you in identifying and assessing natural features and resources as required by applicable policies and legislation, and engaging with MNR Aylmer District for advice as needed.</p> <p><u>Natural Heritage & Endangered Species Act</u></p> <p>In order to provide the most efficient service possible, the attached Natural Heritage Information Request Guide has been developed to assist you with accessing natural heritage data and values from convenient online sources.</p> <p>It remains the proponent's responsibility to complete a preliminary screening for each project, to obtain available information from multiple sources, to conduct any necessary field studies, and to consider any potential environmental impacts that may result from an activity. We wish to emphasize the need for the proponents of development activities to complete screenings prior to contacting the Ministry or other agencies for more detailed technical information and advice.</p> <p>The Ministry continues to work on updating data housed by Land Information Ontario and the Natural Heritage Information Centre, and ensuring this information is accessible through online resources. Species at risk data is regularly being updated. To ensure access to reliable and up to date information,</p>	<p>Comment acknowledged. WM will continue to consult and engage with MNR throughout the EA for this project.</p>

please contact the Ministry of the Environment, Conservation and Parks at SAROntario@ontario.ca.

Petroleum Wells & Oil, Gas and Salt Resource Act

There may be petroleum wells within the proposed project area. Please consult the Ontario Oil, Gas and Salt Resources Library website (www.ogsrlibrary.com) for the best known data on any wells recorded by MNRF. Please reference the 'Definitions and Terminology Guide' listed in the publications on the Library website in order to better understand the well information available. Any oil and gas wells in your project area are regulated by the *Oil, Gas and Salt Resource Act*, and the supporting regulations and operating standards. If any unanticipated wells are encountered during development of the project, or if the proponent has questions regarding petroleum operations, the proponent should contact the Petroleum Operations Section at POSRecords@ontario.ca or 519-873-4634.

Public Lands Act & Lakes and Rivers Improvement Act

Some projects may be subject to the provisions of the *Public Lands Act* or *Lakes and Rivers Improvement Act*. Please review the information on MNRF's web pages provided below regarding when an approval is required or not. Please note that many of the authorizations issued under the *Lakes and Rivers Improvement Act* are administered by the local Conservation Authority.

- For more information about the *Public Lands Act*: <https://www.ontario.ca/page/crown-land-work-permits>
- For more information about the *Lakes and Rivers Improvement Act*: <https://www.ontario.ca/document/lakes-and-rivers-improvement-act-administrative-guide>

After reviewing the information provided, if you have not identified any of MNRF's interests stated above, there is no need to circulate any subsequent notices to our office.

If you have any questions or concerns, please feel free to contact me.

Katherine Kirzati, Ministry of Heritage, Sport, Tourism and Culture Industries – December 8, 2020

Dear Mr. Jenken:

Comment acknowledged. WM will continue to consult and engage with MHSTCI throughout the EA for this project.

Thank you for circulating to the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) the Notice of Commencement for the above-referenced project. MHSTCI's interest in this environmental assessment (EA) project relates to its mandate of conserving Ontario's cultural heritage.

Project Summary

Waste Management of Canada Corporation has initiated an EA for the Twin Creeks Environmental Centre to undertake a vertical expansion of the landfill within the approved 101.8 ha footprint by modifying the side slopes and increasing the elevation of the landfill. The vertical expansion would not require any changes to the existing footprint and would increase the site's life by approximately 12 years (from 2032 to 2044).

Comments

The Twin Creeks Landfill was the subject of previous EA undertakings for expansion of the site to accommodate the closure of the Petrolia Landfill site and an increase in materials accepted. These past expansions required archaeological assessments to be undertaken: Stage 2 for Phase 1 of the expansion in 1999 and Stage 2 for Phase 2 of the expansion in 2005. A Stage 3 archaeological assessment was also undertaken in 2007 for specific locations within the property. These reports have been entered into the Ontario Public Register of Archaeological Reports.

The landfill was also the subject of an expansion in 2016, wherein our ministry requested that its checklists Criteria for Evaluating Archaeological Potential and Criteria for Evaluating Potential for Built Heritage and Cultural Heritage Landscapes be completed to determine any impacts to cultural heritage resources. The completed checklists were submitted, indicating that there were no archaeological resources or built heritage resources on the property, nor was the property considered a cultural heritage landscape. The ministry replied on April 5, 2017 that it had no further concerns.

Based on the above, MHSTCI has no comments on this project.

Should the project undergo any changes from its current proposal that would require going beyond the existing footprint, please contact the undersigned as we may have comments on the modifications.

Community Liaison Committee

Member of Warwick Public Liaison Committee – November 27, 2020

Good morning

I was shocked at last night's CWM and Warwick Public Liason Committee meeting to hear about the possible expansion. My first reaction was sell my house and run as far away as possible while my property still has some value.

My next thought with great sadness was about the geographical location of cancer survivors and victims in our community. I started a list and it gets very scary.

Dolly Ferguson- 5664 Underpass Rd

Raymond Vanderlinde- 5664 Underpass Rd

Heather Joosten [REDACTED] - 5664 Underpass Rd

Lorraine Minten - 5688 Underpass Rd

Sharon Hollingsworth - 5601 Underpass Rd

Doug Hollingsworth- 5601 Underpass Rd

Chris Manders- 7682 Confederation Line

Mac MacLachlin- 5434 Nauvoo Rd

Teise VanDenHeuvel- 5434 Nauvoo Rd

Andy Ross - 5451 Nauvoo Rd

Someone in white house beside Delta- 5511 Nauvoo Rd

Alphonese Couwenberg- 7920 Confederation Line?

These folks are living, have lived or worked within a few miles of the landfill on the west, south side. There are many more people in town that have battled cancer too. Some won, some have sadly lost.

Environment is one of the contributing factors to cancer!!

I prefer the do nothing option and for CWM to start working on all the unresolved issues presented by the Technical review team that seem to be snowballing.

Thank you for your comments and identifying your concerns. WM has initiated an Environmental Assessment (EA) process to assess the potential effects of the project and obtain the necessary approvals. When assessing the potential effects, the EA will consider the broad definition of the environment and assess the project against applicable standards, guidelines, policies, regulations, etc.

WM will continue to consult and engage with the local community throughout the EA in order to address any potential concerns that may be related to the project.

Clean up your own backyard before expanding into mine!!!!	
Member of Warwick Public Liaison Committee –December 1, 2020	
<p>Mr. Jenkins and Mr. Fedec,</p> <p>As landowners within Warwick Township we would like to officially submit our strong opposition to the expansion of the Waste Management landfill site located along Nauvoo Road, right at the entrance to our beautiful and vibrant rural town. The impacts to our community, including increased and dangerous traffic, foul odours, noise, constant litter and dust, possible health impacts, decreased property values, as well as the stigma of living in a community with an active landfill, far outweigh the financial benefits that are currently being paid to the township or to the landowners who have to constantly clean up litter that has blown onto their properties as well as deal with all the other negative impacts.</p> <p>In our opinion, the <i>current</i> size of the operation more than justifies the presence of a daily Ministry of Environment inspector and we are very disappointed that the promises made to our community at the opening of this facility are no longer being maintained in this regard. The impacts to our community were far less when a full time, daily inspector was in place, as evidenced by the steady increase in complaints since the change occurred. The problems have only increased as the mountain continues to grow and we are afraid that if this expansion is approved that the negative impacts will grow with it.</p> <p>We feel that Waste Management needs to step up their game when it comes to complaint procedures. People do not feel that their complaints are being heard and addressed by Waste Management and they turn to social media to vent, giving a negative perception to those who live outside our community but may be considering moving here. (Please see the attached screenshots for just a few examples of this) The constant complaints and negative attention on social media makes economic development and expansion of our residential tax base much more challenging. We would like to see a <i>strong</i> effort from Waste Management to improve public relations and perception of their facility and to mend fences that have been torn down by lack of attention to our communities needs.</p> <p>Waste Management is not just another business within our community. The significant negative impacts this facility creates requires special attention to the needs of the people who live here and it is our hope that WM will make a concerted effort to greatly improve their presence here in Warwick Township going forward, regardless of the outcome of the expansion proposal.</p>	<p>WM appreciates receiving your comments on our proposed project. The Environmental Assessment (EA) process initiated for the project will consider the broad definition of the environment and include an assessment of potential effects resulting from the project and identify mitigation measures to minimize those effects, to the extent possible. This includes potential effects related to air quality, traffic and nuisances, amongst other potential effects.</p> <p>WM is supportive of the Ministry of Environment, Conservation and Parks (MECP) increasing the frequency of site inspections. The frequency of inspections is at the discretion of the MECP.</p> <p>WM continues to work with the Warwick Public Liaison Committee, Technical Review Team and the Township to enhance the complaint log procedures and obtain sufficient information in order to effectively respond.</p> <p>We will continue to consult and engage with the local community as part of the EA process and in support of our ongoing business operations within the Township. WM is committed to being a good neighbour and minimizing the potential for effects associated with our current operation and with our proposed project.</p>

When I take my recyclables to the site, I find a shocking amount of "stuff" that people should not have thrown into the lug. If it is cardboard, why put in you old worn out plastic lawn chair? If it is in the "for garbage only" lug, why put in your steel? Some people are so sloppy, as there is trash on the cement as you approach the bin you want to put garbage into, I have had to pick up nails & screws so as not to get a flat tire!? There is a booth I see, unmanned? Maybe it is time to have a person on site to make sure people are putting their garbage and recycables into the proper bins. I know, this is an extra cost. If this were done, less garbage would be entering into the "mountain"! And, let the elites in Government in other parts of this Province keep "their garbage in their own back yard". I know, it all comes down to \$\$\$\$\$\$

Like · Reply · 5d



It's the stench, they don't have control now. The other night driving home it smelt like a peaviner's! HOW MANY KNOW WHAT THAT IS? That is not the proper spelling I am sure. Hadn't thought of those for ages

Like · Reply · 5d

The stench is horrible and there's a lot of racket coming from the site
So far as I'm concerned they are interfering with the enjoyment of our properties which is a property right

Like · Reply · 5d

Marlies Van Gorp Koolen public nuisance is the term you're looking for.

Like · Reply · 5d

After the Virtual Consultation and Engagement Event #1

Public Comment Response Table

Comment	Response
<p>Member of the Public – March 12, 2021</p>	
<p>Good Morning Wayne,</p> <p>I just had a call from [REDACTED] [REDACTED]</p> <p>[REDACTED] is having trouble with the link on the Optimization – he followed directions from the Township Spring Flyer but when he gets in he can't find the information on this project. Is there a way we can send him the link with directions on how to access? Also meeting dates?</p> <p>I advised one of us would get back to him with information. Could you help me with that? Thanks</p> <p>ANGELA MCLACHLAN</p>	<p>Good morning [REDACTED]</p> <p>The link to the project website is www.wm.com/ca/en/twin-creeks-landfill. Once on the page click "Land fill Optimization Project".</p> <p>Any issues let me know.</p> <p>Regards.</p> <p>WAYNE JENKEN</p>
<p>Member of the Public – March 26, 2021</p>	
Comment	Response
<p>Larry,</p> <p>I received a call today from [REDACTED] She would like to be added to the project mailing list [REDACTED]</p> <p>She had questions about the expansion process and concerns about timeline. I encouraged her to join the mailing list and be engaged in the project.</p> <p>Regards.</p> <p>WAYNE JENKEN</p> <p>Attached voicemail message: Hi I was wanting to know I had a question about the expenses of the landfill. Could you give me a call if [REDACTED] Thank you.</p>	<p>The project distribution list has been updated as requested.</p>